



THE NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE
An Autonomous Institute under Ministry of Health & Family Welfare,
Government of India
Baba Gangnath Marg, Munirka, New Delhi-110067

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Dated: 24.03.2025

VACANCY NOTICE

The National Institute of Health and Family Welfare (NIHFW) is an Autonomous / Apex Technical Institute funded by the Ministry of Health and Family Welfare for promoting Health and Family Welfare Program in the country through Education & Training, Research & Evaluation, specialized services, consultancy and advisory service. This Institute has been appointed by MOHFW, GOI as a Nodal Agency for Coordination of all the Activities in the country under the Centre of Health Informatics (CHI) for National Health Portal (NHP).

It is proposed to engage the following positions purely on contract basis under Centre of Health Informatics (CHI) project. The initial maximum duration of the appointment is for one year or till the validity of the project including its extension, based on time-to-time approval from MoHFW, whichever is earlier. The duration of the appointment and contract may be extended based on further approval for extension of the project and satisfactory performance of the candidate. The current extension of the project is upto 31st Marc, 2027. The details of the positions are given below:

Sl. No.	Designation	Vacant positions
1.	Cloud Computing Expert	1
2.	Software Developer (Php, Java, Full Stack, Laravel, CI Framework, Node, Js, Dot Net, etc)	2
3.	Data Analytics Expert	1
4.	Database Administrator	1
5.	Solution Architect	1
6.	Cyber Security Expert	1
7.	Finance/ Accounts Assistant	1
8.	Administrative Assistant	1
9.	Bid/Tendering Associate	1
10.	Contract Manager	1
11.	System Administrator (Linux and Windows)	1
12.	Cloud Engineer	1
13.	Network Designer	1

14.	Information and Data Security Expert	1
15.	DevOps Expert	1
16.	Database Designer	1
17.	Sr. Software Developer	1
18.	Test Engineer	1
19.	UI/UX Designer and Developer	1
20.	IT Hardware Engineer	1
21.	Cyber Security Audit Expert	1
22.	Data Center Specialist	1
Total Vacant Positions		23

The mode of application through online. The URL for online application is <https://recruitment.nihfw.ac.in>. **Last date of inviting of applications is 14.04.2025**

The selection process consists of two stages: an initial online interview, followed by an in-person interview. Only shortlisted candidates will be invited for the interview. Please note that meeting the minimum qualifications does not guarantee an interview. Preference will be given to candidates who possess the most relevant skills and experience for the role.

Director, NIHFV

- 1. Name of the Post:** Cloud Computing Expert
No. of the Post: 1 (One)
Remuneration range: Rs. 1,10,000 – Rs. 1,80,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 5 years of relevant domain experience in handling large projects.
- Experience in Designing and deploying dynamically scalable, available, fault-tolerant, and reliable applications on the Cloud.

Desirable:

- Minimum 2 years of experience in health domain working.
- Relevant certification such as Cloud Solution Architect in AWS/Azure/GCP etc.

Key Role and Responsibilities:

- Lead and oversee cloud-related activities within CHI, including the design and deployment of cloud infrastructure for health applications.

- Select appropriate cloud services to meet specific application requirements and migrate complex, multi-tier applications to cloud platforms.
- Design and deploy scalable, enterprise-wide cloud operations, implementing cost-control strategies.
- Manage state-wide infrastructure design, including system analysis, security, data center operations, network design, and operations.
- Architect, size, and plan capacity for IT infrastructure and security solutions, both on premises and in cloud environments (IaaS, PaaS, serverless).
- Develop detailed technical requirements for servers, network, security, data centers, and disaster recovery for DPR and procurement.
- Establish and maintain an architecture governance structure in alignment with CHI's IT strategies.
- Demonstrate expertise in architecting, designing, planning, and upgrading network and security projects.
- Write and review architectural design documents.
- Manage cloud resources, optimizing performance and cost-efficiency, while ensuring data security and compliance with health regulations.
- Troubleshoot and resolve cloud-related issues.
- Collaborate with development teams to integrate cloud services effectively.
- Perform any other relevant tasks as required and assigned by CHI.

2. Name of the Post: **Software Developer (PHP, Java, Full Stack, Laravel, CI frameworks, Node, Js, Dot Net,etc)**

No. of the Post: 2 (Two)

Remuneration range: Rs. 90,000 – Rs. 1,60,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / BCA/ from Government recognized university or Graduate in any discipline with relevant industry certification and strong record of software development competency skills.
- Minimum 5 years of total experience relevant domain experience and handling large projects.
- Strong knowledge and working experience of any one of the following programming language PHP/JAVA/ .NET /Node JS.

Desirable:

- M-Tech/ MCA in Any Specialization.
- Strong working knowledge in either of the following technology such as PHP CodeIgniter / Laravel, / JAVA, JavaScript, / .NET /Node JS/ React and MySQL/PostgreSQL /MongoDB / Full stack and Framework related knowledge and experience.
- Working knowledge of Version Control (GIT), Grafana, APM tools and others
- Minimum 1 years of experience in health domain.
- Experience relevant certification.
- Experience in handling the project independently.

Key Role and Responsibilities:

- Collaborate with developers to design algorithms and flowcharts, and write clean, efficient, and well-documented code for health applications.

- Develop and integrate APIs and backend services, implementing and testing application features and functionalities.
- Troubleshoot and debug applications, resolving software issues and performance problems effectively.
- Work with cross-functional teams to develop and implement new features, ensuring cohesive user experiences by collaborating with front-end developers and designers.
- Stay up to date with emerging trends and technologies in software development, and integrate APIs into the frontend as needed.
- Utilize web development technologies such as HTML, CSS, and JavaScript, and possess knowledge of database technologies like SQL or NoSQL.
- Work collaboratively in a team environment, demonstrating strong problem-solving and analytical skills, and communicate effectively in both verbal and written forms.
- Perform any other relevant tasks as required and assigned by CHI.

3. Name of the Post: Data Analytics Expert

No. of the Post: 1 (One)

Remuneration range: Rs. 90,000 – Rs. 1,40,000 per month

Qualification: Essential and Experience:

- Bachelor's / master's degree in information technology, software engineering, computer science, or related field.
- Minimum 5 years of experience in data analytics (both descriptive and predictive).
- Expertise in one or more programming languages such as SQL and Python or R, and data visualization tools such as Tableau or Power BI.

Desirable:

- Minimum 1 years of experience in health domain.
- Familiarity with database technologies and knowledge of machine learning techniques and algorithms.
- Experience relevant certification.

Key Role and Responsibilities:

- Utilize a strong background in both descriptive and predictive analytics techniques to analyze health data and extract actionable insights and trends.
- Gather, transform, and prepare data from diverse sources for in-depth analysis, ensuring data accuracy and integrity.
- Develop and implement predictive models and algorithms to identify, analyze, and interpret patterns and trends in health data.
- Utilize statistical techniques and tools to interpret complex datasets and create data visualizations that support decision-making and strategy.
- Design and maintain dashboards and regular reports to effectively communicate insights to stakeholders.
- Collaborate with cross-functional teams to understand requirements, provide data-driven recommendations, and address data-related business needs.
- Identify and recommend new data sources, technologies, and methodologies to enhance data analysis and reporting processes.
- Automate reporting processes to streamline information dissemination and improve efficiency.
- Share insights with the organization to support better decision-making and strategic planning.
- Perform any other relevant tasks as required and assigned by CHI.

- 4. Name of the Post:** **Database Administrator**
No. of the Post: 1 (One)
Remuneration range: Rs. 90,000 – Rs.1,60,000 per month

Qualification: Essential and Experience:

- B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 5 years of relevant domain experience in handling large projects.
- Experience in SQL/MySQL, PostgreSQL, MS SQL server, etc.
- Experience in establishing the needs of users and monitor user access and security.
- Strong understanding of database design principles and methodologies such as relational database design, normalization, optimization, indexing, data shading etc.

Desirable:

- Minimum 1 years of experience in health domain.
- Relevant certifications is a plus.

Key Role and Responsibilities:

- Install and maintain database software on a regular basis, ensuring performance, database tuning, availability, and security of MySQL clusters.
- Create and implement database schemas and tables using SQL or other database languages, and support the Systems Architect in managing database design change requests.
- Develop and maintain database schemas and Entity Relationship Diagrams (ERD), and find and resolve the root causes of database issues.
- Use high-speed transaction recovery techniques, perform data backups, and minimize database downtime to ensure fast query responses.
- Handle common database procedures such as upgrades, backups, recovery, and migration, and prepare documentation and specifications for data migration.
- Manage and maintain health application databases, implementing database backups, restores, and disaster recovery plans.
- Monitor and optimize database performance and security, and apply new patches and versions as needed.
- Design and maintain database schema and structures, and troubleshoot and resolve database-related issues and queries.
- Provide proactive and reactive data management support and training to users, and determine, enforce, and document database policies, procedures, and standards.
- Collaborate with other team members and stakeholders, and perform regular tests and evaluations to ensure data security, privacy, and integrity.
- Perform any other relevant tasks as required and assigned by CHI.

- 5. Name of the Post:** **Solution Architect**
No. of the Post: 1 (One)
Remuneration range: Rs. 90,000 – Rs.1,60,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.

- Minimum 8 years of experience of handling large projects.
- Experience in Agile background / Extreme Automation Delivery / DevOps.
- Experience of working with Open-Source stack.
- Enterprise Architect, Knowledge of Scalability, Knowledge of various stacks – such as Open-source stacks.

Desirable

- Minimum 1 years of experience in health domain.
- Relevant certification is a plus.

Key Role and Responsibilities:

- Craft a technical vision to demonstrate how software solutions will meet business requirements, and recommend changes and enhancements to software applications.
- Support the team and guide the project through the implementation phase, applying best practices in software engineering, system security measures, and design architecture.
- Design scalable and efficient architectures for health applications, and analyze and define technical requirements and system specifications.
- Integrate diverse technologies to ensure seamless interoperability and guide development teams in implementing architectural solutions.
- Create reports and technology roadmaps, share knowledge and insights with others, and evaluate and recommend technology stacks and tools for optimal performance.
- Design components using appropriate modeling techniques, adhering to agreed architectures, design standards, patterns, and methodologies.
- Understand requirements, collect data, deliver analysis, and resolve problems, with sound knowledge of various operating systems and databases.
- Perform any other relevant tasks as required and assigned by CHI.

6. Name of the Post: Cyber Security Expert

No. of the Post: 1 (One)

Remuneration range: Rs. 90,000 – Rs.1,60,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 5 years of relevant experience.
- Experience of implementing cyber security guidelines.
- Experience in preparing cyber security policy documents.
- Experience in cyber security related duties such as incident detection and response, and forensics.

Desirable:

- Minimum 2 years of experience in health domain.
- Relevant certification such as SANS – GAWN/SANS – GXPN/CERT-CC Certified Incident Handling/CERT-CC Forensics Analysis and Network Security in CMU/CISSP/GIAC Web Application Penetration Tester (GWAPT) from SANS/GIAC Security Essentials (GSEC)/GIAC Certified Web Application Defender (GWEB)/ SANS Secuirty-560 (Network Penetration Testing and Ethical Hacking/ECSA/CEH & EC Council Security Analyst/ISACA CISA.
- Hands-on experience in analyzing high volumes of logs, network data, etc.

Key Role and Responsibilities:

- Regularly verify and ensure secure configurations across network devices and applications, and implement and maintain security controls.
- Implement recommendations from the cyber security team or auditors, and enforce cyber security policies and guidelines issued by MeitY, Cert-In, NCIIPC, and other relevant bodies.
- Develop and maintain a risk assessment approach and overall risk framework, including risk mitigation strategies and threat assessment methodologies.
- Design risk acceptance criteria and formulate risk treatment plans, while organizing workshops and awareness sessions to enhance cyber security knowledge.
- Prepare and submit regular reports on cyber security activities, risks, and incidents to the cyber security team lead.
- Monitor and respond to security incidents, whether major or minor, ensuring a constant secure state across the organization. Coordinate with various departments, including IT, for security-related activities.
- Implement and manage security protocols to protect health applications, conduct risk assessments and vulnerability testing, and ensure compliance with healthcare data protection regulations.
- Monitor and respond to security incidents and breaches, and educate staff on cyber security best practices and threat awareness.
- Ensure the overall protection of applications and data from digital attacks and emerging threats.
- Perform any other relevant tasks as required and assigned by CHI.

7. Name of the Post: Finance/ Accounts Assistant**No. of the Post:** 1 (One)**Remuneration range:** Rs. 40,000 – Rs. 80,000 per month**Qualification: Essential and Experience:**

- M.Com (Accounting and/or Finance) or B. Com (Hons.) or B.Com. from any Govt recognized university.
- Minimum 3 years of relevant domain experience out of which 1 years of specific experience in finance and accounts related matters in the social and private sector.

Desirable:

- MBA (Finance) from Govt. recognized university.
- Minimum 1 years of experience in health domain.
- Experience relevant certification such as Tally software, MS Office software, e-Office.
- Diploma / Degree in secretarial practices.

Key Role and Responsibilities:

- Manage procurement of goods and services, vendor management, and outsourced support services. - Enter financial data into accounting software, process invoices and payments, and reconcile bank statements.
- Assist in preparing financial reports, including balance sheets, income statements, and cash flow statements.

- Contribute to budgeting processes, track expenses against the budget, and prepare financial forecasts. - Maintain the general ledger, ensuring the accuracy and completeness of financial records.
- Regularly evaluate and ensure compliance with labor laws, rules, and regulations.
- Maintain data on all financial records and generate relevant reports.
- Process invoices and manage accounts payable and receivable.
- Handle expense reimbursements and manage petty cash.
- Support financial audits and compliance activities.
- Perform any other relevant tasks as required and assigned by CHI.

8. Name of the Post: **Administrative Assistant**
No. of the Post: 1 (One)
Remuneration range: Rs. 40,000 – Rs. 80,000 per month

Qualification: Essential and Experience:

- Candidate should possess a Graduate Degree from a recognized university in BA/B. Com/B.Sc./BBA.
- Minimum 3 years of relevant domain experience as an administrative staff or back office or Front Office Representative/ office secretary.
- Working knowledge of e-office.

Desirable:

- Minimum 1 years of experience in health domain.
- Experience relevant certification such as course in MS Office.
- Preference will be given to candidates having experience in Public/Government departments.

Key Role and Responsibilities:

- Create a warm and inviting atmosphere in the office environment.
- Manage schedules, appointments, and correspondence to ensure smooth office operations.
- Maintain project-specific documentation, including organizing and updating records and files.
- Keep products and inventory organized, readily available, and ensure stock shelves are replenished as needed.
- Conduct inventory checks, report discrepancies, and maintain the cleanliness and presentation of the store.
- Follow organizational policies and procedures related to store keeping and office management.
- Report security incidents, safety hazards, and assist with administrative support tasks.
- Organize meetings, events, and training programs as needed.
- Create and maintain project/application displays in accordance with CHI's guidelines.
- Participate in training and development programs to enhance skills and knowledge.
- Perform any other relevant tasks as required and assigned by CHI.

9. Name of the Post: **Bid/tendering associate**
No. of the Post: 1 (One)
Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Graduate in any subject from Govt recognized university.
- Minimum 03 years of relevant domain experience in handling large projects, related to procurement through GeM and government bid tendering process.

Desirable:

- Additional qualifications/certifications in public procurement/ Business administration/ Law, or related fields.
- IT hardware/software industry knowledge and a willingness to keep up with trends.
- Good written and verbal communication skills, strong teamwork, and interpersonal abilities.
- Excellent analytical and problem-solving skills, Deadline driven and committed to excellence.
- Any additional experience relevant certification.

Key Role and Responsibilities:

- Conduct research and brainstorm key points with user department to include in bid proposals.
- Create bid/tender documents ensuring compliance with bid requirements and government guidelines.
- Perform risk assessments and address organizational concerns related to bids and contracts.
- Prepare, negotiate, and record business contracts, maintaining supplier relationships as a single point of contact for contractual matters.
- Draft, evaluate, negotiate, and execute contracts, ensuring all deadlines are met and managing budgets.
- Liaise with suppliers, vendors, and subcontractors, and keep track of all costs associated with bids and contracts.
- Work closely with project managers, design managers, estimators, and senior personnel to gather necessary information and coordinate efforts.
- Conduct team briefings once bids are secured and oversee contract close-out, extension, or renewal.
- Provide contract-related issue resolution, both internally and externally, and communicate contract-related information to all stakeholders.
- Demonstrate leadership and management abilities, working both independently and within a team to achieve results on time.
- Possess good IT skills and knowledge of contract and vendor management software.
- Manage record-keeping for all contract-related correspondence and documentation.
- Research and identify new tender opportunities and coordinate with internal teams to gather necessary information.
- Perform any other relevant tasks as required and assigned by CHI.

10. Name of the Post: **Contract Manager**

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Graduate in any subject from Govt recognized university.
- Minimum 03 years of relevant domain experience in handling large projects related to contract management and bid process management.

Desirable:

- Additional qualifications/certifications in public procurement / Business administration / Law, or related fields.
- IT hardware/software industry knowledge and a willingness to keep up with trends.
- Good written and verbal communication skills, strong teamwork, and interpersonal abilities.
- Excellent analytical and problem-solving skills, Deadline driven and committed to excellence.
- Any additional experience relevant certification.

Key Role and Responsibilities:

- Perform risk assessments and address organizational concerns related to bids.
- Ensure all deadlines for bids and contracts are met.
- Liaise with suppliers, vendors, and subcontractors throughout the bidding and contract process.
- Track costs and manage budgets associated with bid submissions and contracts.
- Collaborate closely with other stakeholder's and senior personnel.
- Prepare, negotiate, and record contracts on behalf of the organization.
- Draft, evaluate, negotiate, and execute contracts, ensuring they align with project objectives.
- Establish and maintain supplier relationships, serving as a single point of contact for contractual matters.
- Manage record-keeping for all contract-related correspondence and documentation.
- Provide resolution for contract-related issues both internally and externally.
- Monitor and manage the contract lifecycle, including close-out, extensions, or renewals.
- Communicate contract-related information effectively to all stakeholders.
- Demonstrate leadership and management abilities in handling contracts and bids.
- Exhibit results-driven work ethic, with the ability to work independently and as part of a team to achieve timely results.
- Utilize strong IT skills and knowledge of contract management and vendor management software.
- Draft and negotiate contracts specifically for health application projects.
- Ensure compliance with legal and regulatory requirements related to contracts.
- Oversee the contract lifecycle and manage renewals.
- Resolve disputes and issues related to contracts.
- Coordinate with legal and operational teams to align contract terms with project goals.
- Perform any other relevant tasks as required and assigned by CHI.

11. Name of the Post: System Administrator (Linux and Windows)

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- BTech/BSc/MCA in Information Technology, Computer Science or a related discipline
- Minimum 5 years of relevant experience in the role of Desktop Support, Technical Support or as a System Administrator.

Desirable:

- Professional certification as, Microsoft Certified Systems Administrator (MCSA).

Key Role and Responsibilities:

- Design, organize, modify, and support the company's IT infrastructure while performing day-to-day IT activities.
- Install and configure software and hardware, and manage network servers and technology tools.
- Upgrade, install, and configure application software and computer hardware.
- Troubleshoot and provide technical support to employees, addressing system and network issues promptly.
- Create and manage system permissions, user accounts, and perform regular security tests and monitoring.
- Develop and maintain system and network documentation, policies, and standard operating procedures.
- Manage Active Directory, user and group accounts, DNS, DHCP, IIS, file and backup management, sharing and security permissions, and group and security policies.
- Oversee Linux and Windows server environments, configuring and monitoring system performance and security.
- Install and update software and system patches, ensuring data backups and disaster recovery processes are effectively in place.
- Perform any other relevant tasks as required and assigned by CHI.

12. Name of the Post: Cloud Engineer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- B.E. / B-Tech/MSc in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 5 years of total experience and handling large projects.
- Experience in development of large-scale software solutions in at least one of these languages Python, Dot NET, Java, Node JS, and JavaScript.
- Experience in Linux, Docker, cloud ansible, git, Jenkins, monitoring tool etc.
- Strong problem-solving skills and the ability to troubleshoot complex issues.

Desirable:

- Minimum 1 years of experience in health domain.
- Hands-on experience with Azure Kubernetes Service (AKS).
- Experience relevant certification such as Cloud solution AWS etc.

Key Role and Responsibilities:

- Design, implement, and manage cloud infrastructure solutions for health applications, ensuring optimal resource use and performance.
- Collaborate with cross-functional teams to integrate cloud services seamlessly and address requirements based on stakeholder inputs.
- Utilize DevOps for continuous integration and deployment (CI/CD) processes, and develop and maintain automation scripts using PowerShell.
- Implement and manage automation tools and frameworks, including CI/CD pipelines, and handle risk management, clustering, load balancing, and failover approaches.
- Integrate project functions and resources throughout the product life cycle, from planning and building to testing, deployment, and support.
- Review, verify, and validate software code, and design and develop security infrastructure.
- Create and manage automation scripts for various environments (Linux, Windows).
- Set up and provision development environments as needed, and create orchestrations using Kubernetes / Docker Swarm or any other stack.
- Monitor cloud performance, troubleshoot issues, and ensure data security and compliance within cloud environments.
- Automate deployment and scaling processes using cloud tools.
- Perform any other relevant tasks as required and assigned by CHI.

13. Name of the Post: Network Designer**No. of the Post:** 1 (One)**Remuneration:** Rs.1,10,000 – Rs.1,80,000 per month**Qualification: Essential and Experience:**

- Bachelor's or Graduate's Degree in electrical engineering, computer science or network engineering, or equivalent experience.
- 2 years demonstrated experience in operating systems, cloud, routing protocols, scripting, and incident response.

Desirable:

- 5 years of experience with GCIH, CASP, CISA, GIS, CCNP, and Python software and systems.

Key Role and Responsibilities:

- Interact with departments to address and resolve network issues.
- Utilize quality improvement techniques to participate in process improvement and management activities.
- Design network architectures that support health application requirements and develop high-level design and engineering documents for network services projects.
- Plan, implement, and manage network infrastructure and configurations, ensuring scalability and performance optimization.
- Develop and implement network security strategies and solutions, and escalate significant security, system, or network outages to supervisors as needed.
- Create and manage processes and tools for mobile GIS data collection and consumption.

- Provide input and feedback into fault resolution procedures and audit monitoring platforms, hardware, and circuit inventories for accuracy.
- Collaborate with IT teams to integrate network designs with existing systems.
- Install, configure, and maintain firewalls, routers, network switches, VPNs, VOIP phones, and PBX systems; troubleshoot Wi-Fi, network, and internet connectivity issues
- Manage internal and external leadership escalation as appropriate.
- Perform any other relevant tasks as required and assigned by CHI.

14. Name of the Post: Information and Data Security Expert

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Bachelor/master's degree in information technology, software engineering, computer science, or related field.
- Minimum 5 years of infrastructure architecture experience with strong understanding of network and application security (incl. Network and Host IDS/IPS, WAF, SIEM, Antimalware, DLP, URL filtering, IDAM, SSO, and others).
- Experience with incident response, and management.

Desirable:

- Minimum 2 years of experience in health domain.
- Certification such as Certified information systems security professional (CISSP), Cloud Architect in AWS/Azure/GCP/SANS – GAWN/SANS – GXPN/CERT-CC Certified Incident Handling/CERT CC Forensics Analysis and Network Security in CMU/CISSP/GIAC Web Application Penetration Tester (GWAPT) from SANS/GIAC Security Essentials (GSEC)/GIAC Certified Web Application Defender (GWEB)/ SANS Security-560 (Network Penetration Testing and Ethical Hacking/ECSA/CEH & EC Council Security Analyst/ISACA CISA).

Key Role and Responsibilities:

- Implement cyber security guidelines and policies issued by MeitY, Cert-In, NCIIPC, and in coordination with the Cyber Security Cell (CSeC) at MoHFW.
- Design, analyze, and manage state-wide infrastructure, including system analysis, security, data center operations, and network design and operations.
- Architect and size IT infrastructure and security solutions for both on-premises and cloud-based (IaaS, PaaS, serverless) applications, ensuring effective capacity planning.
- Protect systems and information infrastructure using firewalls and data encryption programs, and provide objective advice on IT security requirements based on analyzed IT needs.
- Develop and implement data security policies and protocols, conduct regular security audits and vulnerability assessments, and ensure compliance with data protection regulations and standards.
- Monitor and respond to security incidents and breaches, and educate staff on information security best practices and procedures.

- Gather feedback from end-users to enhance systems, and implement industry trends and emerging technologies to meet architectural security needs.
- Perform any other relevant tasks as required and assigned by CHI.

15. Name of the Post: DevOps Expert

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.

Desirable:

- 3 years of total experience relevant domain experience and handling large projects. Experience in development of large-scale software solutions in at least one of these languages Python, .NET, Java, and JavaScript.

Key Role and Responsibilities:

- Support DevOps initiatives for applications and manage automation tools and frameworks, including CI/CD pipelines.
- Translate stakeholder inputs into business requirements and integrate project functions across the product life cycle, from planning and building to testing, deployment, and support.
- Implement approaches such as risk management, clustering, load balancing, and failover to enhance system reliability.
- Review, verify, and validate software code, and design and develop security structures to protect personal and sensitive patient information while ensuring interoperability and technological flexibility.
- Automate deployment pipelines and continuous integration processes, manage infrastructure and environment configurations for health applications, and monitor system performance to ensure high availability.
- Implement and maintain security best practices in deployment workflows, and collaborate with development and operations teams to streamline release cycles.
- Perform any other relevant tasks as required and assigned by CHI.

16. Name of the Post: Database Designer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 5 years of relevant domain experience in handling large projects.

Desirable:

- Minimum 1 year of experience in health domain.
- Experience with relevant certifications.
- Experience in SQL/MySQL, PostgreSQL, MS SQL server
- Experience in establishing the needs of users and monitor user access and security.

- Strong understanding of database design principles and methodologies such as relational database design, normalization, optimization, indexing, data sharding etc.

Key Role and Responsibilities:

- Provide database design support to the Systems Architect and manage database design change requests.
- Design and structure databases to support health applications, including creating and implementing database schemas and tables using SQL or other database languages.
- Ensure database performance through tuning, and maintain availability and security for clusters of MySQL instances.
- Develop database schemas, Entity Relationship Diagrams (ERDs), and define data models to ensure efficient data storage.
- Implement database normalization and optimization techniques to enhance performance and scalability.
- Identify the root cause of database-related issues, perform database cleanup, and handle data migration tasks.
- Prepare documentation and specifications related to database development and management.
- Collaborate with developers to integrate database solutions effectively and ensure data integrity and security within the database systems.
- Perform any other relevant tasks as required and assigned by CHI.

17. Name of the Post: Sr. Software Developer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 10years of relevant domain experience of handling large software projects.
- Strong knowledge and working experience of any one of the following programming language PHP/JAVA/ .NET /Node JS.

Desirable:

- Strong working knowledge in either of the following technology such as PHP CodeIgniter / Laravel,/ JAVA, JavaScript,/ .NET /Node JS/ React and jQuery,Html,Css, MySQL/PostgreSQL /MongoDB / Full stack, Framework related knowledge and experience.
- Working knowledge of Version Control (GIT), Grafana, APM tools and others
- Minimum 2 years of experience in health domain working.
- Experience with web technologies, including HTML, CSS, JavaScript, and front-end frameworks (e.g., Angular, React)
- Experience relevant certification.
- Solid understanding of software development methodologies, design patterns, and software architecture principles.

- Knowledge of Relational database systems and NoSQL, with experience in designing and optimizing database schemas.
- Familiarity with cloud technologies (e.g., Azure, AWS) and micro services architecture is a plus.

Key Role and Responsibilities:

- Act as the team lead for software developers at CHI, guiding and mentoring the team to achieve project goals.
- Collaborate with the design team and other stakeholders to translate UI/UX wireframes and mockups into high-quality code, developing new user-facing features and enhancing existing ones to ensure a seamless user experience.
- Lead the design and development of complex health application features, and write and review high-quality, maintainable code.
- Work with developers to design algorithms and flowcharts, and produce clean, efficient code based on specifications.
- Integrate software components and third-party programs, ensuring application of software development methodologies, design patterns, and software architecture principles.
- Design and optimize relational database systems and NoSQL, and oversee code integration to maintain system stability.
- Utilize version control systems such as Git and project management tools like Jira or Trello.
- Conduct code reviews, assist other developers, and provide constructive feedback to ensure code quality.
- Mentor junior developers and provide technical guidance, while collaborating with stakeholders to align technical solutions with business needs.
- Demonstrate excellent problem-solving skills, strong communication, and interpersonal skills to interact effectively with cross-functional teams and stakeholders.
- Perform any other relevant tasks as required and assigned by CHI.

18. Name of the Post: Test Engineer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / MCA from Govt. recognized university.
- Minimum 3 year of relevant domain experience in handling large projects.
- Knowledge of testing methodologies, tools, and processes.
- Experience in hands-on testing web applications & Mobile applications.

Desirable:

- Minimum 1 years of experience in health domain.
- Experience relevant certification.

Key Role and Responsibilities:

- Possess a thorough understanding of UAT (User Acceptance Testing) and IT health application requirements, including message formatting.
- Review and analyze system specifications to create comprehensive testing strategies.
- Collaborate with software engineers to develop effective testing strategies and plans.
- Design and execute test plans for health applications, both manual and automated, and analyze results to ensure product quality.
- Evaluate product code according to specifications, and automate test scripts to improve testing efficiency.
- Identify, document, and report software defects and work with development teams to resolve issues.
- Create logs to document testing phases and defects, and help troubleshoot issues.
- Conduct post-release and post-implementation testing to verify functionality against requirements.
- Work with cross-functional teams to ensure quality throughout the software development lifecycle.
- Perform any other relevant tasks as required and assigned by CHI.

19. Name of the Post: UI/UX Designer and Developer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- BE/B-Tech/BSc in Design/ BA Fine Arts or a related field from Govt. recognized university.
- Minimum 8 years of relevant experience within Graphic Design, Interaction Design or related field.
- Minimum 2 year experience as a UI/UX Designer, with a strong portfolio showcasing your design skills.
- Proficiency in design tools such as Figma, Adobe Illustrator, Photoshop, Sketch, or equivalent and emerging trends, tools, and technologies.

Desirable:

- Minimum 2 years of experience in health domain working.
- Excellent communication on and collaboration skills.
- Ability to work independently and manage multiple projects effectively.
- Understanding of user centered design principles and design thinking methodologies.
- Familiarity with HTML/CSS and front-end development.
- Experience relevant certification.

Key Role and Responsibilities:

- Collaborate with the design and development team to create captivating user interfaces for web and mobile applications, ensuring they align with project requirements and user needs.
- Translate business requirements into effective product designs and assist various departments in implementing these design guidelines.
- Collect, organize, analyze, and disseminate significant amounts of information with attention to detail.

- Discuss and communicate design capabilities, opportunities, and recommendations to both technical and non-technical audiences.
- Create visually appealing graphics and illustrations that meet CHI requirements and support the design and development team in implementing UI designs.
- Conduct thorough research on current design trends and best practices to keep interfaces modern and engaging.
- Design intuitive and visually appealing user interfaces for health applications, and design wireframes, prototypes, and interactive mockups.
- Conduct user research and usability testing to inform design decisions, and ensure responsive design for a seamless user experience across devices.
- Collaborate with developers to implement and refine design solutions, maintaining a consistent visual language across all digital platforms.
- Stay up to date with industry advancements, tools, and software to enhance design skills.
- Work with other UI/UX designers to implement attractive designs and troubleshoot any graphical issues.
- Perform any other relevant tasks as required and assigned by CHI.

20. Name of the Post: IT Hardware Engineer

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications from Govt. recognized university.
- 3+ years of demonstrable experience.
- Strong knowledge of hardware design principles, testing tools, equipment, and techniques.

Desirable:

- Excellent analytical and problem-solving skills with an eye for detail and precision.
- Ability to work independently and manage multiple tasks simultaneously.
- Familiar with industry regulations in India

Key Role and Responsibilities:

- Generate and maintain hardware design, testing, and quality control documentation.
- Help other internal departments within an organization for hardware, and other assignments, including asset management.
- Participate in design reviews, risk assessments, and product validation activities to ensure compliance with regulations.
- Collaborate with cross-functional teams, including design, development to provide feedback and input on design, performance optimization.
- Execute comprehensive test plans, test cases, and test scripts to validate the performance, functionality, and durability of hardware products.
- Assist in testing and validation of hardware products to ensure compliance with specifications, requirements and quality standards.
- Stay up to date with the latest advancements in hardware methodologies and apply them to improve the overall quality.

21. Name of the Post: Cyber Security Audit Expert

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / Information Security from Govt. recognized university.
- 3+ years of demonstrable experience.
- Strong knowledge of Cyber Security design principles, testing tools, equipment, and techniques.

Desirable:

- Certifications like GIAC Certified Intrusion Analyst, Certified Ethical Hacker (CEH) EC-Council, Offensive Security Certified Professional (OSCP), Certified Information Systems Security Professional (CISSP), Certified Information Security Manager (CISM), Certified Internal Auditor (CIA), Certified Information Systems Auditor (CISA).

Key Role and Responsibilities:

Job expectations that a security code auditor may have include, but are not limited to:

- Conduct internal security audits.
- Helping the development team to prepare code for the auditing process.
- Conducting a manual audit and code review.
- Look closely at all source code, without skipping any lines, to find potential vulnerabilities.
- Review all authentication, authorization, session and communication mechanisms.
- Familiarity with programming languages including Java, PHP, C# and C++.
- Understanding of security standards including DPDP, IT ACT, MeitY Guidelines, CERT-IN, etc.
- Familiarity with operating systems such as Windows and Unix.
- Experience working with ORACLE and MSSQL.
- Familiarity with security frameworks.
- Knowledge of network and system architecture.
- Knowledge of OWASP Top Ten vulnerabilities.
- Familiarity with secure coding standards and guidelines.
- Familiarity with source code analysis tools.
- Conduct penetration testing to order weaknesses and categorize them into high and low risk ones.
- Review any third-party libraries for security leaks.
- Experience with database security.
- Familiarity with encryption protocols and techniques.
- Documentation of the results of conducted audits and investigations.
- List actions to be taken by development teams to avoid future problems.
- Educate others in organization on security concepts and developments in future coding.

22. Name of the Post: Data Center Specialist

No. of the Post: 1 (One)

Remuneration: Rs.1,10,000 – Rs.1,80,000 per month

Qualification: Essential and Experience:

- Minimum B.E. / B-Tech in Computer Science / IT / Electronics and communications / Information Security from Govt. recognized university.
- 3+ years of demonstrable experience.
- Strong knowledge of Data center working with Security design principles, and techniques.
- Strong knowledge of NOC, SOC.

Desirable:

- Relevant Certification in Security.
- Experience as Network Operations Center(NOC) Engineer.
- Experience as Security Operations Center(SOC) Engineer.
- Certification in ITIL.

Key Role and Responsibilities:

- Establishment and operation of NOC/SOC for health facilities.
- Handle projects for bidding, decide on the contract and monitor projects in a manner that the organization's requirements and specifications are met .
- Provide inputs on data center infrastructure.
- To monitoring, testing, and maintenance tasks related to all data center and supporting functions related to telecommunications to meet the requirements.
- Monitor server centers and other centralized repositories of computer systems for the cloud, data, and IT-enabled tasks.
- Problem Diagnosis and Resolution, Recordkeeping and Reporting.
- Inputs on adherence to Standard Data Center Procedures and management.
- Understanding of security standards including DPDP, IT ACT, MeitY Guidelines, CERT-IN, etc.

Age Limit For All The Posts:

- Upper limit 50 years .
- Age relaxation may be considered in case of suitable retired government employees.

Place of duty: NIHFW, New Delhi

GENERAL INSTRUCTIONS TO THE CANDIDATES

- i. The application will be filled through online mode only. The URL for online application is <https://recruitment.nihfw.ac.in>. There is no need to send any printout of filled-in online application or other documents to the organization. Candidates have to make sure that they are fully eligible for the post they are applying for and the original certificates/documents in support of the information furnished in the application form are to be provided at a later stage of recruitment process. No deviation, whatsoever, from the filled-in details will be entertained under any circumstances.
- ii. The crucial date for determining age will be the last date of inviting of application i.e. **14.04.2025**.
- iii. **Those candidates who applied earlier of even vacancy no. dated 10.02.2025 need not apply again.**
- iv. The period of working experience (essential) shall be counted only after acquiring of essential qualification for the post.
- v. Candidates are advised to fill the information carefully in the application form. Organization will neither be responsible for any wrong information furnished nor accept any subsequent requests for making any corrections by the candidate(s). The candidate(s) shall be solely responsible for the information filled in the application form. No change/deviation, whatsoever, will be entertained.
- vi. Incomplete application / partially filled application / application without supporting documents will summarily be rejected. Interim enquiries will not be entertained.
- vii. The Candidates are advised to retain a printout of the online complete application form, which may be required for future references.
- viii. Mere fulfilling the essential qualifications does not entitle a candidate to be called for written examination/interview.
- ix. NIHFW reserves the right not to fill up the post, cancel the Advt. in whole or in part without assigning any reason and its decision in this regard shall be final and binding. The vacancies are tentative in nature and may **decrease or increase**.
- x. The Institute at it's discretion may conduct written examination/interview for all/any of the above posts to select the candidates on the basis of merit. The decision of the Director, NIHFW shall be final in this regard.
- xi. The original degrees/certificates/proof of date of birth towards fulfillment of specified eligibility conditions shall be required to be produced by the candidate, at the time of their final selection.
- xii. NIHFW reserves the right to extend the closing date for receipt of applications. NIHFW also reserved the right to postpone/cancel this recruitment exercise for any/all the posts.
- xiii. The eligible candidate has to submit the application within specified time. Application forwarded through any other means including by post or e-mail etc. will not be entertained and summarily rejected.
- xiv. The period of working experience shall be counted only after the acquiring of essential qualification for the post.
- xv. Candidates will have to make their own arrangement for appearing in interview and no TA / DA will be paid to them.
- xvi. The positions are purely contractual basis. They will have no claim for regular employment under NIHFW.
- xvii. The appointee will not be granted any claim or right or preference for regular appointments to any posts under the Government of India or any institutions funded by Government of India.
- xviii. The NIHFW shall not be responsible for any loss, accident, damages/injury suffered by him/her, whatsoever arising in or out of the execution of his/her work including travel.
- xix. During the terms of service, he/she shall not engage in any private business of professional activity which could conflict with interest of the Government.
- xx. He/She will not be entitled for any other allowance, financial benefits or concessions and medical facilities apart from the consolidated remuneration.

- xxi. Any modification/correction/addition etc., if any related to the Advertisement and /or related to the recruitment process will be uploaded on NIHFW website only. No other means of communication will be used for the same. Therefore, the candidates are advised to visit the NIHFW website for updates, if any.

DIRECTOR, NIHFW