



RECRUITMENT NOTIFICATION

1. eHealth Project Management Unit, Department of Health & Family Welfare, Government of Kerala invites applications from eligible candidates for recruitment under the eHealth Kerala project on contract basis for the following positions in specialized segments. eHealth is one of the most important mission mode projects that is being executed by the Government of Kerala.

Sl No	Position	Monthly Salary (Consolidated)
1	Senior Database Administrator	Rs. 70,000 to 1,00,000
2	Senior Network Administrator	Rs. 70,000 to 1,00,000
3	Senior Systems Administrator	Rs. 70,000 to 1,00,000
4	Senior Software Engineer (Technical Lead)	Rs. 60,000 to 80,000
5	Software Engineer	Rs. 40,000 to 50,000
6	Software Engineer- Testing	Rs. 40,000 to 50,000
7	Software Engineer - Release Management	Rs. 40,000 to 50,000
8	Software Engineer- Android Development	Rs. 40,000 to 50,000

Note: The Selected candidates will be posted at the eHealth Project Management Unit at Thiruvananthapuram.

The initial posting will be initially for a period for 3 years, which may extend there after based on performance and requirement. An annual increment of 10% of the initial Consolidated Monthly Salary will be paid based on performance review and annual appraisal.

2. Schedule of events:

Last date for Submission of applications: **14/9/2017**

3. Eligibility Criteria

The applicants intending to apply should ensure that they fulfill the eligibility criteria specified herein below before applying. The cut-off date for attaining the prescribed eligibility shall be the date of notification.

4. Nationality:

Applicant must be a citizen of India

5. Age of Applicant:

The candidates should have attained a minimum age of 24 years and shall not be more than 45 years as on the date of notification of the post mentioned above.

6. How to apply

Applications shall be submitted online through the online application link. No physical application will be accepted.

Online Application link: <http://www.iiitmk.ac.in/ehealth>

Address for correspondence:

The Project Director
eHealth Project Management Unit
Directorate of Health Services,
General Hospital Junction
Thiruvananthapuram – 695035

Contact Office No : 0471 2983033 ;

Email : ehealthkerala@gmail.com

7. Selection Criteria

- a) The selection of candidates to the notified positions shall be based on written test and / or personal interview conducted. eHealth reserves the right to cancel the recruitment process at any stage without citing any reasons thereof.
- b) Canvassing in any form by an applicant will lead to his / her disqualification in the selection process.
- c) The applicants are advised in their own interest that they should not furnish any false, tampered or fabricated particulars / documents and should not suppress any material information while submitting the application.
- d) If an applicant is found guilty of using unfair means during the selection process and / or impersonating or procuring impersonation by any person and / or misbehaving and / or resorting to any irregular or improper means in connection with his / her candidature and / or obtaining support for his / her candidature, by any means, he / she shall be disqualified from the selection process for which he / she is a candidate.

8. Qualification and Experience:

It should be noted that the eligibility criteria specified herein is the basic qualification for applying the positions. However, merely applying for / appearing for and/or qualifying at any stage of selection process for the positions does not imply that a candidate will necessarily be eligible for employment / confer right on him / her for appointment in the notified position.

8.1 Senior Database Administrator

Job brief:

Senior Database Administrator (DBA) shall be responsible for ensuring the health and performance of all the system DBs and to adopt best practices to ensure seamless operations and performance of the system, provide support to various stakeholders on the services related DBs, administration and monitoring of the DB system infrastructure.

Major responsibilities

- a) Maintain database systems of high availability and quality depending on each end user's specialized role.
- b) Design and implement database/schema in accordance to end users information needs and views.
- c) Define users and enable data distribution to the right user, in appropriate format and in a timely manner.
- d) Use high-speed transaction recovery techniques and backup data.
- e) Minimize database downtime and manage parameters to provide fast query responses.
- f) Provide proactive and reactive data management support and training to users.
- g) Determine, enforce and document database policies, procedures and standards.
- h) Perform tests and evaluations regularly to ensure data security, privacy and integrity.
- i) Monitor database performance, implement changes and apply new patches and versions when required.

Educational Qualification: First Class degree in BE / B.Tech (IT / CS / ECE/ EE) / MCA

Certification : DBA certification (desirable)

Experience:

- a) Minimum IT experience of 7 years, with minimum of 4 years experience as Database Administrator.
- b) Minimum of 2 years of hands-on industry experience with PostgreSQL under Linux platform
- c) Experience and expertise in Indexing, Performance Tuning, Partitioning, Triggers, Stored Procedures & Functions, Replication, Master/Slave & Multi Master, Clustering, Tuning, Backup & Recovery.
- d) Experience in Database and Software Optimization in large applications.
- e) Experience in Cloud Environment / Data Centre environment desirable.

8.2 Senior Network Administrator

Job brief

Senior Network Administrator will be responsible for maintaining reliable, secure and efficient data communications network with high availability. The candidate should be able to deploy, configure, maintain and monitor all active network equipment in order to ensure smooth network operation.

Major Responsibilities

- a) Fully support, configure, maintain and upgrade eHealth networks and in house servers.
- b) Install and integrate new network hardware and applications.
- c) Keep an eye out for needed updates.
- d) Support and administer third-party application.
- e) Ensure network security and connectivity by coordinating with OEM vendors and State Data centre NOC.
- f) Monitor network performance (availability, utilization, throughput and latency) and test for weaknesses.
- g) Set up Access controls, user accounts, permissions and passwords.
- h) Resolve problems reported by end user.
- i) Define network policies and procedures.
- j) Specify system requirements and design solutions.
- k) Research and make recommendations on network system administration.

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE/ EE) / MCA

Certification : CCNA, CCNP (desirable)

Experience :

- a) Minimum working experience of 7 years, out of which minimum 4 years as Network Administrator.

- b) Preferably in a Data Centre/Cloud Environment
- c) Hands on experience in networking, routing and switching
- d) Excellent knowledge of best practices around management, control, and monitoring of server/router/ wireless infrastructure
- e) Experience with firewalls, MPLS VPNs, Proxy, Internet VPNs remote implementation, troubleshooting, and problem resolution is desired
- f) Ability to set up and configure network devices for VLAN, VPN, and Inter VLAN routing.
- g) Familiarity with backup and recovery software for network infrastructure.
- h) Great at organizing, prioritizing and multitasking

8.3 Senior Systems Administrator

Job brief

Senior Systems Administrator has to help build out, maintain, and troubleshoot our rapidly expanding infrastructure. System Admin should have a background in IT, computer systems engineering, or systems engineering and analysis. They will be part of a talented team of engineers that demonstrate superb technical competency, delivering mission critical infrastructure and ensuring the highest levels of availability, performance and security.

Major Responsibilities

- a) Manage and monitor all installed systems and infrastructure.
- b) Install, configure, test and maintain Linux based operating systems, application software and system management tools.
- c) Proactively ensure the highest levels of systems and infrastructure availability.
- d) Monitor and test application performance for potential bottlenecks, identify possible solutions, and work with developers to implement those fixes.
- e) Maintain security, backup, and redundancy strategies.
- f) Write and maintain custom shell scripts to increase system efficiency and lower the human intervention time on any tasks.
- g) Participate in the design of information and operational support systems.
- h) Provide 2nd and 3rd level support.
- i) Liaise with OEM vendors and other IT personnel for problem resolution.

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Certification : RHCE

Experience :

- a) Minimum working experience of 7 years in IT, out of which minimum 4 years working experience in installing, configuring and troubleshooting UNIX /Linux based environments.
- b) Must have 2 years of industry experience in Linux Administration
- c) Experience and expertise include: Installation and Commissioning of Operating Systems, PostGreSQL, APACHE, TOMCAT Servers. Solid experience in the administration and performance tuning of application stacks (e.g. Tomcat, JBoss, Apache, NGINX).
- d) Experience with virtualization and containerization (e.g., VMware, Virtual Box).
- e) Experience with monitoring systems and tools such as Nagios.
- f) Good scripting skills (e.g., shell scripts, Perl, Python).
- g) Good knowledge on networking (OSI network layers, TCP/IP).
- h) Experience with SAN storage environment with RAID implementation.
- i) Experience with backup tools and processes.

8.4 Senior Software Engineer (Technical Lead)

Job Brief

Senior Software Engineer has to make intuitive high level decisions for software development. Will see the “big picture” and create architectural approaches for software design and implementation to guide the development team. Has a strong technical background and excellent IT skills. Must be experienced in designing and possess ability to develop a unified vision for software characteristics and functions. Has to provide a framework for the development of a software or system that will result in high quality IT solutions.

Responsibilities

- a) Lead the software team to make modifications to the existing Application code to suit the changes in Business rules
- b) Collaborate with other professionals to determine functional and non-functional requirements for new software or applications.
- c) Use tools and methodologies to create representations for functions and user interface of desired product.
- d) Develop high-level product specifications with attention to system integration and feasibility.
- e) Define all aspects of development from appropriate technology and workflow to coding standards.

- f) Communicate successfully all concepts and guidelines to development team.
- g) Oversee progress of development team to ensure consistency with initial design.
- h) Provide technical guidance and coaching to developers and engineers.
- i) Ensure software meets all requirements of quality, security, modifiability, extensibility etc.
- j) Approve final product before launch.

Requirements :

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Experience :

- a) Must have minimum of five years proven industry experience as software developer and designer in Java / J2EE technologies
- b) Must have hands on experience in Core Java, JDBC, Servlet, JSP, JavaScript, AJAX, JQuery, BootStrap, Hibernate, REST, JSON
- c) Experience / Expertise in MVC Frameworks (STRUTS / SPRING / Hibernate etc)
- d) Must have hands on experience in using servers such as Tomcat, JBoss etc and development platforms such as Eclipse etc
- e) Experience of software and application design and architecture, patterns, good practices
- f) Must be familiar with quality processes, project estimation and planning
- g) Excellent knowledge of UML and other modeling methods
- h) Familiarity with HTML/CSS, JavaScript and UI/UX design
- i) Outstanding communication and presentation abilities

8.5 Software Engineer

Job brief

Software Engineer has to create secure and functional code. Provide quality coding solutions both for simple applications and complex information for open source operating systems. Should have passion for technology and software building. Attention to detail and an analytical mind are essential qualities for a successful career in programming. The goal is to design and build superior and innovative software by writing clean and flawless codes.

Responsibilities

- a) Make modifications to the existing Application code to suit the changes in Business rules
- b) Collaborate with business analysts and developers to produce software designs.
- c) Formulate program specifications and basic prototypes.
- d) Transform software designs and specifications into high functioning code in the appropriate language.
- e) Integrate individual software solutions to higher level systems.
- f) Use web-based tools to create advanced SaaS when applicable.
- g) Test source code periodically to ensure it produces the desirable results and perform debugging when necessary.
- h) Perform upgrades to make software and systems more secure and efficient.
- i) Collaborate with technical writers to create documentation for user support.

Requirements :

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Experience :

- a) Minimum 3 years of proven industry experience as a Software developer in Java / J2EE technologies
- b) Must be able to develop application independently using Java / J2EE technologies (JDBC, Servlet, JSP, JavaScript, AJAX, JQuery, BootStrap, Hibernate, REST, JSON)
- c) Experience in developing web applications using popular web frameworks (JSF, GWT, Spring MVC).
- d) Ability to code applications for Object oriented multithreaded coding methods.
- e) Excellent knowledge with relational databases, Postgres, MySQL and ORM technologies.
- f) Detail-oriented and excellent concentration ability.
- g) An analytical mindset and critical thinking.
- h) Demonstrable ability to discover and fix errors in code.

8.6 Software Engineer- Testing

Job brief

To ensure successful testing and verification of the software, ensuring flawless, secure code. Candidate should have a passion and understanding of various

technologies and tools used in various stages of software development life cycle. Attention to detail and an analytical mind are essential for this role.

Responsibilities

- a) Prepare test plan, test cases for functional and non functional testing and User acceptance testing.
- b) Collaborate with domain experts and developers to prepare software testing plan and execution.
- c) Formulate traceability matrix for test cases with reference to requirements specifications.
- d) Use of testing tools and processes for effective testing and reporting
- e) Test code periodically to ensure it produces the desirable results and perform debugging when necessary.
- f) Perform re-testing after upgrades to make software and systems more secure and efficient.
- g) Collaborate with technical writers to create testing documentation for user acceptance support.

Requirements :

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Experience :

- a) Minimum three years of industry experience as a software tester.
- b) Must have experience in testing complex and large enterprise applications
- c) Should be able to handle the end to end testing process independently
- d) Understanding of technologies such as Java (J2EE), XML, Python, Mobile technologies etc.
- e) Must be familiar with DB and should be able to write DB queries independently
- f) Must be familiar with functional testing and various types of non functional testing that are used in large projects
- g) An analytical mindset and critical thinking.
- h) Problem analysis skills and to help identifying the root cause effectively.
- i) Must be able to collaborate with various stakeholders of the program.

8.7 Software Engineer- Release Management

Job brief

Software release management profession has to manage the software configuration management environment. The goal is to design, build superior

and innovative software by managing software versions and software documentation management for future maintenance.

Responsibilities

- a) Build and manage different software release versions on development, staging and production systems.
- b) Automation of the verification and release management processes
- c) Collaborate with technical writers to create documentation for version control and release management.

Requirements :

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Experience :

- a) Minimum three years experience as a software developer and designer out of which one years of industry experience shall be in software release management
- b) Must have experience in SVN/Git / GitHub or equivalent Software version controlling systems.
- c) Experience in agile product development and delivery methodology and the tools for continuous delivery and automation
- d) Ability to program in languages Java (J2EE), XML etc.
- e) Must be familiar with scripting and automation
- f) Experience in deploying web applications using at least one popular web framework (JSF, Spring MVC) in Tomcat, Apache and Postgres environment.

8.8 Software Engineer- Android Development

Job brief

Android Software developer has to create secure and functional mobile application code for the public health management module of eHealth. The candidate must have a passion for technology and software building. Attention to detail and an analytical mind are essential qualities for a successful career in android programming. Design and build superior and innovative software by writing clean and flawless code with well documented version management.

Responsibilities

- a) Make modifications to the existing Android Application code to suit the changes in Business rules

- b) Build and manage Android mobile application using ADK/ Eclipse/Net Beans IDE tools on development, staging and production systems.
- c) Knowledge on Gradle Build Tools and Android Emulator are essential.
- d) Collaborate with business analysts and developers to produce software designs.
- e) Formulate program specifications and basic prototypes.
- f) Transform software designs and specifications into high functioning code in the appropriate language.
- g) Integrate individual Mobile applications to higher level systems.
- h) Test code periodically to ensure it produces the desirable results and perform debugging when necessary.
- i) Package Mobile applications into APK files for easy deployment using Mobile device management software.
- j) Perform upgrades to make software and systems more secure and efficient.
- k) Collaborate with technical writers to create documentation for user support.

Requirements :

Educational Qualification: First Class degree in BE / B.Tech (IT / CS/ ECE / EE) / MCA

Experience :

- a) Minimum Three Years proven experience as an android developer or relevant role.
- b) Experience in agile product development and delivery methodology.
- c) Ability to program in languages Java (J2EE), XML etc.
- d) Build and manage Android mobile application using ADK/Eclipse/ Net Beans IDE tools on development, staging and production systems.
- e) Knowledge on Gradle Build systems and Android Emulator is essential.
- f) Knowledge with relational databases, Postgres, SqlLite.
- g) Detail-oriented and excellent concentration ability.
- h) An analytical mindset and critical thinking.
- i) Demonstrable ability to discover and fix errors in code.