



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 Dept of Health & FW, Government of Kerala.

Sl No	Position	Monthly Salary (Consolidated)	No of posts
1	Sr Software Engineer (Java)	Rs. 60,000 to 70,000	1
2	Data Scientist	Rs. 55,000 to 65000	3
3	Software Engineer (Java)	Rs. 40,000 to 50,000	12
4	Software Engineer (Android)	Rs. 40,000 to 50,000	1
5	Software Engineer (PHP)	Rs. 40,000 to 50,000	1
6	Business Analyst	Rs. 40,000 to 50,000	1
7	Procurement Assistant	Rs.25,000 to Rs.30,000	1

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

The initial posting will be for a period for 3 years, which may be extended 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: **31/12/2020**

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. How to apply

Applications shall be sent to ehealth@kerala.gov.in in the prescribed format.

Physical application **WILL NOT** be accepted.

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 : ehealth@kerala.gov.in

6. 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.

7. 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.

7.1 Senior Software Engineer (Tech 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

1. Lead the software team to make modifications to the existing Application code to suit the changes in Business rules
2. Collaborate with other professionals to determine functional and non- functional requirements for new software or applications.
3. Use tools and methodologies to create representations for functions and user interface of desired product.
4. Develop high-level product specifications with attention to system integration and feasibility.
5. Define all aspects of development from appropriate technology and workflow to coding standards.
6. Communicate successfully all concepts and guidelines to development team.
7. Oversee progress of development team to ensure consistency with initial design.
8. Provide technical guidance and coaching to developers and engineers.
9. Ensure software meets all requirements of quality, scalability, security, modifiability, extensibility etc.
10. Approve final product before launch.

Requirements :

Educational Qualification: B.E / B.Tech/ M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant : The candidates should have attained a minimum age of 30 years and shall not be more than 40 years as on the date of notification .

Experience :

1. Must have minimum of six years proven industry experience as software developer and designer in Java / J2EE technologies
2. Must have hands on experience in Core Java, JDBC, Servlet, JSP, JavaScript, AJAX, JQuery, BootStrap, Hibernate, REST, JSON
3. Experience / Expertise in MVC Frameworks (STRUTS / SPRING / Hibernate etc)
4. Excellent Knowledge with relational databases, Postgres, MySQL and ORM technologies.
5. Must have hands on experience in using servers such as Tomcat, JBoss etc and development platforms such as Eclipse etc
6. Experience of software and application design and architecture, patterns, good practices

7. Must be familiar with quality processes, project estimation and planning
8. Excellent knowledge of UML and other modelling methods
9. Familiarity with HTML/CSS, JavaScript and UI/UX design
10. Outstanding communication and presentation abilities

7.2 Data Scientist

Requirements :

Educational Qualification: B.E / B.Tech / M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant : The candidates should have attained a minimum age of 27 years and shall not be more than 40 years as on the date of notification .

Experience

- Must have 3 years experience as Data Scientist in the prescribed skillsets.

Roles & Responsibilities

- Work with stakeholders to determine how to use business data for valuable business solutions
- Search for ways to get new data sources and assess their accuracy
- Browse and analyze enterprise databases to simplify and improve product development, optimization techniques, and business processes
- Create custom data models and algorithms
- Develop the organization's test model quality.
- Coordinate with various technical/functional teams to implement models and monitor results
- Develop processes, techniques, and tools to analyze and monitor model performance while ensuring data accuracy.

Preferable Skillset

- A natural inclination toward solving complex problems
- Knowledge/experience on/with statistical programming languages, including R, Python, SQL, etc., to process data and gain insights from it
- Experience using and developing data architectures
- Knowledge of Machine Learning techniques, including decision tree learning, clustering, artificial neural networks, etc

- Knowledge and application experience in advanced statistical techniques and concepts, including, regression, distribution properties, statistical testing, etc.
- Good communication skills to promote cross-team collaboration
- Impulse to learn and master new technologies
- Multilingual coding knowledge/experience: Java, JavaScript, C, C++, etc.
- Experience/knowledge in statistics and data mining techniques, including, random forest, GLM/regression, social network analysis, text mining, etc.
- Experience with major web services, including S3, Spark, Redshift, etc.
- Experience/knowledge in distributed data and computing tools, including, MapReduce, MySQL, Hadoop, Spark, Hive, etc.
- Ability to use data visualization tools to showcase data for stakeholders using D3, ggplot, Periscope, and more.

7.3 Software Engineer (JAVA)

Job brief

Software Engineer has to create secure and functional code. Provide quality coding solutions both for simple applications and complex information. 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.

Educational Qualification: B.E / B.Tech / M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant : The candidates should have attained a minimum age of 25 years and shall not be more than 35 years as on the date of notification .

Experience & Skillset

- 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 (, Servlet, JSP, JavaScript, AJAX, JQuery, BootStrap, Hibernate, REST, JSON)
- c) Experience in developing web applications using popular web frameworks (JSF, GWT, Spring MVC/ Spring Boot).
- d) Ability to code applications for Object oriented multithreaded coding methods.
- e) 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.

Preferable Experience, Skillset

- i) Hands on experience in using servers such as Tomcat, JBossetc and development platforms such as Eclipse etc
- j) Familiar with quality processes, project estimation and planning
- k) Knowledge of UML and other modeling methods
- l) Good communication and presentation abilities
- m) Candidates with relevant Certification will be given preference

7.4. Software Engineer (Android)

7.4 Software Engineer (Mobile Application Development)

Job brief

Mobile Application Development 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 hybrid mobileapp development. 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/IOS/Windows application using any or all of the following frameworks - IONIC / React Native/ Flutter on development, staging and production systems.
- c) Collaborate with business analysts and developers to produce software designs.
- d) Formulate program specifications and basic prototypes.
- e) Transform software designs and specifications into high functioning code in the appropriate language.
- f) Integrate individual Mobile applications to higher level systems.
- g) Test code periodically to ensure it produces the desirable results and perform debugging when necessary.
- h) Package Mobile applications into APK files for easy deployment using Mobile device management software.
- i) Perform upgrades to make software and systems more secure and efficient.
- j) Collaborate with technical writers to create documentation for user support.

Requirements :

Educational Qualification: B.E / B.Tech / M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant : The candidates should have attained a minimum age of 25 years and shall not be more than 35 years as on the date of notification

Experience :

- a) Minimum Three Years proven experience as a mobile app android developer or relevant role.
- b) Ability to program in languages Android JAVA / Kotlin ,XML etc.
- c) Build and manage Android mobile application using Eclipse/ Android Studio IDE tools on development, staging and production systems
- d) Knowledge with relational databases, Postgres, SqlLite.
- e) Detail-oriented and excellent concentration ability.
- f) An analytical mindset and critical thinking.
- g) Demonstrable ability to discover and fix errors in code.

7.5 Software Engineer (PHP Development)

Requirements :

Educational Qualification: B.E / B.Tech / M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant :The candidates should have attained a minimum age of 25 years and shall not be more than 35 years as on the date of notification .

Experience

- Must have 3 years' experience as PHP developer in the prescribed skillsets.

Roles & Responsibilities

- Create, test and deploy new, innovative website applications in a timely and efficient manner, while concurrently working with other developers.
- Identify and fix compatibility issues involving CSS, HTML, and scripting, often between a series of different platforms and browsers.
- Implement Page Optimization techniques for web pages, employ Best Practices in front end development and handle Cross Browser compatibility issues in web pages.
- Test websites on all sorts of browsers (mobile, notebook, tablet), and address issues identified by userfeedback.
- Research and explore various architectural considerations relating to the system design process, including web usability, the website's performance, and database design. Explore and assess different alternatives for implementing new application features.
- Develop plans for keeping the website updated and current at all times, recommend improvements for performance, create and fine-tune style guidelines for the website's content, and choose the most effective design tools, programming languages, and applications.
- Security vulnerability fixing.

Skillsets required :

- Strong programming skill in PHP frameworks like Codeigniter / Laravel
- Must be familiar with HTML & CSS, Javascript&Jquery, AngularJS.
- Must be familiar in databases like PostgreSQL / MySQL
- Must have strong working experience in handling Restful Web Services.
- Preferable knowledge on WebGIS.
- Knowledge on Content Management Systems like Drupal.
- Must have strong knowledge in development of Responsive Web Design using Bootstrap and in working with Version Control using GIT/SVN.
- Must have good testing, debugging &problem solving skills in front end development.
- Good Interpersonal and communication skills
- Ability to work with a team.

7.6. Business Analyst(Public Health)

Job Brief :

We are looking for an experienced Business Analyst who possess sufficient knowledge and experience in the Healthcare domain especially in the area of Public Health & Preventive care activities of Govt Health Departments.

Roles & Responsibilities

- Analyzing and documenting the end user requirement for public health domain
- Creating a detailed business analysis, outlining problems, opportunities and solutions for each scenario.
- Defining business requirements and reporting them back to stakeholders
- Assisting with the business case
- Planning and monitoring
- Eliciting requirements, Requirements analysis, Requirements organization, Translating and simplifying requirements, Requirements management etc
- Finalizing & Communicating successfully all concepts, guidelines and requirements to development team.
- Oversee progress of development team to ensure consistency with initial design
- Ensure that software meets all requirements of quality, security, modifiability, extensibility etc.
- Design appropriate testing methodology for System Testing and User Acceptance Testing.
- Control of software development and production versions.
- Approve final product before launch
- Stakeholder feedback analysis.

Requirements :

Educational Qualification: B.E / B.Tech / M. Tech (any branch) / MCA / M.Sc Comp Science / M Sc Engg in Comp Science. Must have 60% marks for the qualifying exam.

Age of Applicant : The candidates should have attained a minimum age of 25 years and shall not be more than 35 years as on the date of notification .

Experience & Skillset :

- Should possess a total of 3 years of industry experience in IT sector with a minimum of 1 years as Business Analyst or relevant role in planning, development and implementation of a system for public Health information management.
- Experience in system study, analysis, preparation of Business Requirement Documents, Impact Analysis document, Change Request documents etc and getting approval from stake holders, especially in Healthcare domain.
- Experience in managing User Training and encouraging them to use the system by clearing the initial hurdles they face.
- Experience in conducting strategic business process modeling.
- Critical thinking and problem-solving proficiency
- A technical mindset with great attention to detail
- High quality organizational and leadership skills.
- Outstanding communication and presentation skills

Preferable Experience, Skillset & Certification:

- Interpersonal and consultative skills
- Facilitation skills
- Good understanding of Organizational structure of Health Dept
- Basic understanding of networks, databases and other technology
- Understanding of any of the business analyst tools like TopTeam Analyst, SmartDraw, Blueprint, Survey Monkey etc is desirable
- Candidates with relevant Certification will be given preference

7.7. Procurement Assistant

Number of Posts-one

Essential qualification—Any degree from a recognized University

Required Competencies, skills & Experience

Minimum of 3 years working experience with procurement/financial/accounts/administration management in an organization of repute. Working experience in government/development sector projects and IT procurements will be an added advantage.

The task to the posts will include:-

1. Assist in installing procurement management systems and procedures in managing procurement.
2. Assist in designing developing and installing a computerized procurement system.

3. Assist to prepare and submit quarterly annual and midterm progress report on time.
4. Any other work as directed by the superior officers in the project.

Other Terms & Conditions

The appointment is on contract basis for a period of one year with a consolidated pay of Rs.25,000/- to Rs.30,000/-per month the contract will be renewed every year based on performance reviews. Age limit is below 40 years.

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.