



**Advt. No. DIC/NHAI Datalake3.0/28/2024/06**  
**Digital India Corporation**  
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**Web Advertisement**  
**28.06.2024**

Digital India Corporation has been set up by the 'Ministry of Electronics & Information Technology, Government of India', to innovate, develop and deploy ICT and other emerging technologies for the benefit of the common man. It is a 'not for profit' Company under Section 8 of the Companies Act 2013. The Company has been spearheading the Digital India programme of the Government of India, and is involved in promoting use of technology for e-Governance/e-Health / Telemedicine, e-agriculture, e-Payments etc. The Digital India programme promotes safety and security concerns of growing cashless economy and addresses challenges confronting its wider acceptance. It also promotes innovation and evolves models for empowerment of citizens through Digital initiatives and promotes participatory governance and citizen engagement across the government through various platforms including social media.

Digital India Corporation is currently inviting applications for the following positions purely on Contract/ Consolidated basis for NHAI Datalake3.0 project:-

Sr. No.	Name of the Post	No. of Positions
1.	Full Stack Developer	4
2.	Mobile Developer	1
3.	Dashboard /Reports Developer	4

\*\* **The place of posting** shall be in New Delhi but transferable to project locations of Digital India Corporation as per existing policy of Digital India Corporation.

Screening of applications will be based on qualifications, age, academic record and relevant experience. Digital India Corporation reserves the right to fix higher threshold of qualifications and experience for screening and limiting the number of candidates for interview. Only shortlisted candidates shall be invited for selection interviews. Digital India Corporation reserves the right to not to select any of the candidates without assigning any reason thereof.

The details can be downloaded from the official website of DIC viz. [www.dic.gov.in](http://www.dic.gov.in)

Eligible candidates may apply ONLINE: <https://ora.digitalindiacorporation.in/>



## **1. Job Description: Full Stack Developer**

### **A. Job Summary:**

The Full Stack Developer is responsible for designing, developing, and maintaining web applications across the entire stack, from front-end interfaces to back-end services. This role involves working with cross-functional teams to deliver high-quality, scalable, and maintainable software solutions. The ideal candidate is an experienced developer with a deep understanding of both client-side and server-side technologies, capable of leading projects and mentoring junior developers.

### **B. Roles & Responsibilities:**

- To understand business requirements from multiple stakeholders and prioritize them. Profound knowledge of documentation like requirement specifications, manuals and other project related documents
- Experience in common third-party APIs (google, Facebook, SMS gateway integration, payment gateway integration etc.)
- Object Oriented Programming with the understanding of an MVC framework architecture and experience in development using MVC framework
- Experience in handling web security audit and its tools • Passion for best design and coding practices and a desire to develop new ideas
- Experience for working on software tools LAMP, versioning and bug reporting tools, web and database security
- Experience in cross platform development, worked on products or technologies that have scalable architectures.
- Understanding and experience in complete SDLC from functional & technical specifications, documentation, QA processes, source control, maintenance and deployments
- Understanding of W3C Web Standards/Semantics, GIGW guidelines and Accessibility Guidelines
- Proficient understanding of code versioning tools, such as {{Git / Mercurial / SVN}}



- Should be proficient in Database with specific understanding of RDBMS like PostgreSQL, MySQL (or similar)
- Should be aware of agile delivery and should easily adapt to the process.
- Should be familiar with Performance testing (JMeter, Gatling), Functional testing (Taiko, Jest, gauge and PACT), Unit testing and Integration testing approaches.

#### **C. Qualifications and Experiences:**

Basic: Bachelor's degree in Computer Science / IT or related fields from a recognized university/institute.

Preferred: Master's degree in IT management or related fields from a recognized university/institute.

#### **D. Required Skill Set:**

- 6+ years of experience in Web Application Development with a minimum of 3+ years as a Backend Developer.
- Excellent knowledge in at least one open-source framework like WordPress, Laravel or headless CMS based web development.
- Working Experience of web technologies including HTML, CSS, JavaScript, AJAX, JQuery, Node.js, React.js etc.
- Working Experience of relational databases, version control tools and of developing web services using REST, SOAP architecture and cloud architecture.
- Experience with state management libraries such as Redux, Vuex, or MobX.
- Familiarity with frontend build tools and package managers like Webpack, Babel, npm, and Yarn.
- Knowledge of RESTful APIs and experience with API integration.
- Proficiency in version control systems like Git.
- Understanding of cross-browser compatibility issues and ways to work around them.
- Experience with performance optimization techniques.
- Familiarity with testing frameworks and tools like Jest, Mocha, Cypress, or Jasmine.
- Strong understanding of responsive design principles and mobile-first development.
- Ability to write efficient, reusable, and modular code.
- Experience with CI/CD pipelines and tools like Jenkins, Travis CI, or CircleCI.

Profound knowledge of documentation like requirement specifications, manuals and other project related documents.



## **2. Job Description: Mobile Developer**

### **A. Job Summary:**

The Mobile Developer will lead the development of mobile applications for iOS and/or Android platforms, ensuring high-quality code, performance, and user experience. This role involves collaborating with cross-functional teams to understand requirements, architect solutions, and implement best practices in mobile development. The ideal candidate has extensive experience in mobile app development, strong problem-solving skills, and the ability to lead technical initiatives.

### **B. Roles & Responsibilities:**

- Design, develop, and deploy high-quality, scalable, and maintainable mobile applications for iOS and/or Android platforms.
- Write clean, efficient, and well-documented code in languages such as Swift, Kotlin, Objective-C, or Java.
- Implement user interface components, navigation, and data management features.
- Architect and design mobile app solutions, considering performance, security, and scalability requirements.
- Implement best practices and design patterns (e.g., MVC, MVVM, MVP) in mobile app architecture.
- Ensure code reusability and modularity for future maintenance and updates.
- Integrate mobile apps with backend APIs and services to enable data exchange and functionality.
- Implement client-server communication using RESTful APIs, GraphQL, or other protocols.
- Handle asynchronous operations and manage network requests efficiently.
- Write automated unit tests, integration tests, and UI tests to ensure code quality and reliability.
- Perform manual testing and debugging to identify and fix issues reported by QA or end users.
- Conduct code reviews and provide feedback to other developers.
- Monitor mobile app performance metrics and identify areas for optimization.
- Optimize app performance, responsiveness, and battery usage.



- Implement caching mechanisms, lazy loading, and other performance optimization techniques.
- Document technical specifications, architectural designs, and implementation details.
- Collaborate with product managers, designers, and other stakeholders to deliver mobile app features and enhancements.
- Mentor junior developers and share knowledge and best practices within the team.

**C. Educational Qualification:**

Basic: Bachelor's degree in Computer Science / IT or related fields from a recognized university/institute.

Preferred: Master's degree in IT management or related fields from a recognized university/institute.

**D. Desirable Skills & Experience:**

- Minimum 7+ years of experience in mobile app development, with a focus on building and maintaining high-quality, scalable mobile applications.
- Proficiency in mobile app development platforms such as iOS (Swift or Objective-C) and Android (Java or Kotlin), leveraging the latest language features and APIs for building native mobile applications.
- Experience with cross-platform mobile app development frameworks such as React Native, Flutter, or Xamarin, for developing apps that run on multiple platforms with a single codebase.
- Knowledge of mobile app design patterns and architectures such as MVC (Model-View-Controller), MVVM (Model-View-ViewModel), or MVP (ModelView-Presenter), and experience with architectural components and libraries like Android Jetpack or iOS SwiftUI.
- Familiarity with mobile app development tools such as Android Studio, Xcode, or Visual Studio, and proficiency in using debugging and profiling tools for performance optimization and troubleshooting.
- Experience with mobile UI/UX design principles and best practices, and familiarity with design tools such as Sketch, Adobe XD, or Figma for creating app wireframes, mockups, and prototypes.
- Proficiency in integrating third-party libraries and APIs into mobile applications, and experience with popular SDKs and frameworks for features such as authentication, push notifications, and location services.



- Knowledge of mobile app security best practices, and experience with encryption, authentication, and authorization mechanisms to protect sensitive data and secure communication channels.
- Understanding of mobile app testing methodologies and tools such as XCTest, Espresso, Appium, or Detox, for automated functional testing, UI testing, and end-to-end testing of mobile applications.
- Experience with mobile app performance optimization techniques such as code optimization, image optimization, and lazy loading, and familiarity with tools like Android Profiler or Xcode Instruments for performance monitoring and analysis.
- Understanding of mobile app deployment processes and app store guidelines for iOS App Store and Google Play Store, and experience with app submission, review, and release management.



### **3. Job Description: Dashboard /Reports Developer**

#### **A. Job Summary:**

The Dashboard /Reports Developer will design and develop interactive, visually appealing dashboards that integrate data seamlessly. Responsibilities include creating, developing, and maintaining accurate, insightful reports tailored to business needs. The ideal candidate should have a strong background in data analysis, report generation, and business intelligence tools. They will ensure reports are accurate and aligned with organizational goals. Strong attention to detail, problem-solving skills, and collaboration with various departments are essential. The role requires staying updated with industry trends and continuously improving reporting processes for data-driven decision-making.

#### **B. Roles & Responsibilities:**

- Design, develop, and implement reports using various reporting tools and platforms.
- Analyze data to identify trends, patterns, and insights that can help in decision-making.
- Work with databases to retrieve and manipulate data as needed for report generation.
- Collaborate with stakeholders to understand and document reporting requirements.
- Test reports for accuracy and validate data against source systems.
- Maintain existing reports, perform updates as necessary, and provide technical support for report-related issues.
- Create and maintain documentation for report specifications, processes, and data models.
- Optimize report performance, ensuring efficient data retrieval and processing.
- Train end-users on report functionalities and provide ongoing support.

#### **C. Educational Qualifications:**

- Basic: Bachelor's degree in Computer Science / IT or related fields from a recognized university/institute.
- Preferred: Master's degree in IT management or related fields from a recognized university/institute.



**D. Desirable Skills & Experience:**

- Minimum 4+ experience with reporting tools such as SQL, Crystal Reports, SSRS, Tableau, Power BI, or similar
- Proficiency in SQL and database management.
- Strong understanding of data warehousing concepts.
- Experience with ETL processes.
- Familiarity with data visualization best practices
- Excellent analytical and problem-solving skills.
- Strong communication skills, both written and verbal.
- Ability to work independently and as part of a team.
- Detail-oriented with a strong focus on accuracy.
- Certifications in relevant technologies or methodologies.
- Experience with cloud-based data services and solutions.
- Knowledge of advanced analytics and machine learning concepts.





**General Conditions applicable to all applicants covered under this advertisement:**

1. Those candidates, who are already in regular or contractual employment under Central / State Government, Public Sector Undertakings or Autonomous Bodies, are expected to apply through proper channel or attach a 'No Objection Certificate' from the employer concerned with the application OR produce No Objection Certificate at the time of interview.
2. Digital India Corporation reserves the right to fill all or some or none of the positions advertised without assigning any reason as it deems fit.
3. The positions are purely temporary in nature for the project of Digital India Corporation and the appointees shall not derive any right or claim for permanent appointment at Digital India Corporation or on any vacancies existing or that shall be advertised for recruitment by Digital India Corporation in future.
4. Digital India Corporation reserves the right to terminate the appointments of all positions with a notice of one month or without any notice by paying one month's salary in lieu of the notice period.
5. The maximum age shall be as on the last date of receipt of the applications. Screening of applications will be based on qualifications, age academic record and relevant experience. The designation against the position shall be mapped as per the approved policy.
6. In case of a query, the following officer may be contacted

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