



Advt. No. DIC/NHAI Datalake3.0/17/2025/04
Digital India Corporation
Electronics Niketan Annexe, 6, CGO Complex Lodhi Road,
New Delhi - 110003
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Website: www.dic.gov.in

Web Advertisement
17.04.2025

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.	React Native Mobile App Developer	4
2.	Backend 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

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



1. Job Description: React Native Mobile App Developer

A. Job Summary:

The Mobile Developer is required to carry out 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 to have 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 JavaScript/TypeScript, React, React Native, and potentially Redux, Context API, or other state management libraries
- Develop cross platform components to write code once and deploy to both android and iOS
- 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 Qualifications:

Basic: Bachelor's degree in Computer Science / IT /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:

- 7+ years of experience of working using React Native, TypeScript and JavaScript on mobile apps on both the iOS and Android platforms
- Firm grasp of the React Native architecture, including ES6+ syntax, component lifecycle, hooks, and performance optimization techniques.
- Knowledge of object-oriented programming
- Cross-Platform Development: Experience building apps that work seamlessly across iOS and Android.
- Ability to write well-documented, clean React Native, Javascript, Typescript code
- Familiarity with React Native debugging tools and performance profiling, using metro builder
- Experience in integrating native code with react native
- Relevant experience in mobile app development, with a focus on building and maintaining high-quality, scalable 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 (Model- View-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
- Experience of using Fastlane or other CI/CD tools.



2. Job Description: Backend Developer

A. Job Summary:

The Backend Developer will be responsible for designing, developing, and maintaining scalable backend systems and APIs to support the organization's software applications and services. This role involves working closely with cross-functional teams to understand requirements, architect solutions, and implement best practices in software development. The ideal candidate to have extensive experience in backend development, strong problem-solving skills, and the ability to lead technical initiatives.

B. Roles & Responsibilities:

- Design, develop, and deploy robust, scalable, and secure backend systems and APIs using appropriate technologies and frameworks.
- Write clean, maintainable, and efficient code in Node.js, or similar languages.
- Implement authentication, authorization, and encryption mechanisms to ensure data security.
- Design and optimize database schemas, queries, and data models for performance and scalability.
- Implement and maintain database solutions using relational (e.g., PostgreSQL, MySQL) or NoSQL (e.g., MongoDB, Redis) databases.
- Ensure data integrity, consistency, and reliability in database operations.
- Develop RESTful or GraphQL APIs to enable communication between frontend and backend systems.
- Integrate backend systems with third-party services, libraries, and APIs as needed.
- Implement asynchronous processing and message queue systems for handling background tasks.
- Write automated tests (unit tests, integration tests, end-to-end tests) to ensure code quality and reliability.
- Perform code reviews and provide constructive feedback to other developers.
- Debug and troubleshoot issues reported by QA or end users.
- Monitor backend performance metrics and identify areas for optimization.
- Optimize code, algorithms, and infrastructure to improve performance and reduce latency.
- Implement caching mechanisms and other performance optimization techniques.
- Document technical specifications, architectural designs, and implementation details.
- Collaborate with frontend developers, designers, product managers, and other stakeholders to deliver high-quality software solutions.
- 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 5 years of experience in backend development, with a track record of building and maintaining scalable, high-performance backend systems
- Proficiency in server-side programming languages such as Node.js, or similar languages, leveraging the latest language features and frameworks like Flask, Express.js, or latest for building scalable and performant backend systems.
- Experience with cloud-based platforms and services such as AWS (Amazon Web Services), Azure, or Google Cloud Platform, utilizing services like AWS Lambda, Azure Functions, or Google Cloud Functions for serverless computing and microservices architecture.
- Knowledge of containerization technologies such as Docker and container orchestration tools like Kubernetes, for deploying and managing containerized applications in scalable and resilient environments.
- Familiarity with RESTful API design principles and GraphQL for building robust and efficient APIs, and using tools like Swagger or Postman for API documentation and testing.
- Proficiency in relational and NoSQL databases such as PostgreSQL, MySQL, MongoDB, or DynamoDB, for data storage, retrieval, and management, and knowledge of database optimization techniques for improving performance.
- Experience with message brokers and queueing systems like RabbitMQ, Kafka, or AWS SQS, for asynchronous communication and event-driven architecture.
- Understanding of authentication and authorization mechanisms such as OAuth, JWT (JSON Web Tokens), and role-based access control (RBAC), for securing APIs and backend services.
- Knowledge of DevOps practices and tools such as Jenkins, GitLab CI/CD, or GitHub Actions, for implementing continuous integration and continuous deployment pipelines, and infrastructure as code (IaC) using tools like Terraform or AWS CloudFormation.
- Familiarity with logging and monitoring tools such as Elasticsearch, Kibana, Prometheus, or Grafana for real-time monitoring, log aggregation, and performance analysis of backend systems.
- Experience with Agile software development methodologies and collaboration tools like Jira or Trello, participating in sprint planning, backlog grooming, and daily standup meetings
- Ability to work closely with frontend developers, designers, and other stakeholders to integrate frontend and backend systems, and to troubleshoot and debug issues in a timely manner.



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

Ms. Vinaya Viswanathan
Head- HR
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