

# Mukesh Kumar Gupta

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## Summary

React Native Developer with ~3 years of cross-platform experience. Proven track record architecting real-time features (Socket.IO, Firebase), optimizing mobile performance (k-d tree index to cut lookup latency 60%), and reducing costs (40% savings on push notifications). Seeking to leverage expertise in React Native, TypeScript & AWS to build high-scale apps.

## Skills

**Languages & Frameworks:** JavaScript (ES6+), TypeScript, React Native, Redux, Zustand, Java, Swift, Expo, NodeJS, SQL, MongoDB, NextJS, NestJS

**Mobile Technologies:** React Navigation, RESTful APIs (JSON/HTTP), Firebase (Auth, Firestore), Geolocation /& Maps integration, Socket.IO

**Development /& DevOps:** Git, GitHub, CI/CD (Bitrise, GitHub Actions), Agile/Scrum, Visual Studio Code, Xcode, Android Studio, AWS, Docker, Kubernetes

**Testing /& Tooling:** Jest, React Native Testing Library, Detox, ESLint, Prettier

## Experience

**React Native Developer, Bassetti Ites Pvt. Ltd** Mar 2022 – Sep 2022  
Kolkata, WB

- Built and deployed RESTful Node.js/MongoDB APIs and optimized batch jobs with advanced data structures, cutting response times by 25% and increasing throughput by 40%.
- Wrote Mocha/Chai unit & integration tests to achieve 90% code coverage, stabilizing release cycles.

**Freelance React Native Developer** Sep 2022 – Apr 2023  
Remote

- Built and deployed RESTful Node.js/MongoDB APIs (CI/CD pipelines via GitHub Actions) and optimized batch jobs with advanced data structures, cutting response times by 25% and increasing throughput by 40%.
- Wrote Mocha/Chai unit & integration tests to achieve 90% code coverage (Agile/Scrum sprint cycles), stabilizing release cycles.

**React Native Developer, Infocentroid** Apr 2023 – Oct 2023  
Indore, MP

- Developed and tuned NestJS microservices consumed by a React Native mobile app (memory management optimizations), boosting backend query performance by 50%.
- Integrated Firebase Cloud Messaging (TDD-driven with Jest/Detox) and Razorpay APIs in the mobile app to streamline notifications and secure in-app payments.

**Front End Engineer, Viamagus** Dec 2023 – Present  
Bangalore, KA

- Leading development of new features in a React Native e-commerce app using TypeScript and React Navigation, enhancing user experience and increasing app store ratings by 10%.
- Integrated Firebase Authentication and Firestore for secure user management and real-time data sync, supporting over 5000 users with minimal latency.
- Improved app responsiveness and reduced memory usage by 20% through code optimization and efficient state management.
- Automated release process via GitHub Actions, enabling daily builds and cutting release cycle time by 40%.
- Authored comprehensive test suites (Jest for unit tests, Detox for E2E tests), increasing overall code coverage to 80% and reducing bugs by 30%.
- Coordinated with remote teams using Agile methodologies, ensuring clear communication and timely delivery of milestones.

## Education

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**Bengal College of Engineering and Technology** – Durgapur, West Bengal

Jul 2018 – Jul 2022

B.Tech in Information and Technology

**CGPA:** 8.47/10

**Relevant Coursework:** Object Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Data Mining, Advanced Data Structures and Algorithms, Web and Mobile Application Development

## Projects

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### Social Media Web & Mobile App

[link](#) 

- Built and deployed cross-platform React Native & Next.js application serving 5,000+ daily users.
- Architected RESTful Node.js/MongoDB back end and optimized batch jobs—cutting response times by 25% and boosting throughput by 40%.
- Implemented Mocha/Chai unit & integration tests (90% coverage) and CI/CD pipelines via GitHub Actions.

### Finance Tracker (React Native App)

[link](#) 

- Built a personal finance tracking app to log expenses and visualize spending, using Redux for state management and Firebase for secure data storage.
- Implemented authentication with Firebase Auth and Firestore to sync user data across devices.
- Set up push notifications (FCM) for bill reminders, improving user engagement by 25%.
- Optimized data fetching and caching, reducing data sync time by 50% and enabling offline mode functionality.

### E-Commerce App (React Native)

[link](#) 

- Developed a cross-platform e-commerce mobile app for a retail client, integrating RESTful APIs for product listings and orders.
- Implemented smooth navigation and UI components using React Navigation and optimized image loading for faster page renders (30% speed-up).
- Integrated Firebase Realtime Database to handle inventory and order updates, supporting real-time stock notifications.
- Collaborated remotely with designers and backend developers, using Git for version control and GitHub Actions for continuous deployment.

## Certifications

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- **AWS Certified Developer** – Associate (2022)
- **React Native Developer Certification** - (Udemy, 2023)
- **Scrum Master** - (CSM, 2021)

## Interests

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Mobile app development, Open source contributions, Agile methodologies, Cricket, Hiking