

VISHAL BEHERA

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Professional Summary

Software Engineer with 1+ years of experience building cross-platform mobile applications using React Native and Flutter, with hands-on experience in JavaScript, Node.js, REST APIs, and PostgreSQL. Independently developed and deployed a full-stack React Native application, owning both mobile frontend and backend development. Experienced in building production-ready applications, API integrations, authentication, and scalable application architecture.

Skills

Languages: JavaScript, Dart, Java, Kotlin, C
Mobile Development: React Native, Flutter, Android SDK
Backend: Node.js, Express.js, Java Spring Boot, REST APIs
Databases: PostgreSQL, MongoDB, Firebase
State Management: Redux, Bloc, Provider
Cloud & DevOps: AWS, GCP, Git, GitHub, Vercel, MQTT
Tools: Expo, EAS, Android Studio, Xcode, VS Code, Vite, Google Maps API

Work Experience

Full Time | *Mobile Developer at Zimplistic India Private Limited* **September 2025 - Present**

- Designed and created a mobile workflow for an intelligent roti quality correction system that processed computer vision outputs and transmitted real-time calibration commands to embedded firmware via MQTT, achieving an 84% correction success rate across 5K+ connected devices.
- Engineered a fault-tolerant MQTT communication framework supporting 5K+ connected devices, implementing intelligent reconnection, offline recovery, and state synchronization to ensure reliable firmware communication across varying network conditions.
- Delivered 5+ production mobile features, including warranty management, machine diagnostics, and device lifecycle management, improving the connected device experience for 5K+ active users.

Internship | *App Developer at Jazzee Technologies* **November 2024 - August 2025**

- Forged Jazzee Edtech mobile app for ios and android enabling students to mark real-time classroom attendance, with secure face validation using QR and non-QR methods.
- Integrated attendance tracking features allowing students to view detailed attendance reports, improving transparency and accountability

Internship | *Syflex Techno Solution* **April 2024 - November 2024**

- Crafted a high-performance eCommerce app using Flutter, featuring extensive API integration and seamless state management, compressing loading time by 5% and increasing app efficiency by 12%.
- Implemented secure payment systems and optimized product management features, reducing loading time by 10% and enhancing overall user experience.

Projects

Recipease | *React Native, Node.js, Express.js, MongoDB, OpenAI API, AWS* | [Github Link](#) **May 2025**

- Independently designed and developed a full-stack recipe discovery application using React Native, Node.js, MongoDB, and AWS, owning the mobile frontend, backend, database integration, and cloud deployment.
- Integrated the OpenAI API to generate and structure recipe data including ingredients, preparation steps, cooking time, calories, and nutritional details, with generated content persisted in MongoDB.
- Optimized recipe search with a database-first caching architecture, achieving 97% search accuracy and reducing response latency by serving cached recipes from MongoDB before triggering OpenAI API requests.

Peter Fresh | *Node.js, Express.js, PostgreSQL, Flutter* | [Play Store](#) **July 2026**

- Engineered a full-stack mobile application and admin dashboard for a farm-to-consumer platform, enabling product catalog management, category management, vendor administration, and secure role-based authentication.
- Designed and integrated REST APIs with PostgreSQL, implemented image upload workflows, search and filtering, and responsive Flutter interfaces following scalable and maintainable application architecture.

Education

National Institute of Technology, Rourkela
Bachelor of Technology in Mechanical Engineering CGPA : 7.68/10

December 2021 - May 2025
Odisha, India