

VISHAL BEHERA

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Professional Summary

Software Engineer with hands-on experience building and deploying backend services, REST APIs, and IoT systems. Experienced with Node.js, Express.js, PostgreSQL, MongoDB, GCP, AWS, and MQTT, with production systems supporting 5,000+ connected devices. Built backend solutions for production and client applications involving marketplace workflows, payment systems, authentication, automated processes, and database-driven applications. Currently expanding expertise in Java and Spring Boot.

Skills

Languages: JavaScript, Java, Dart, Kotlin, C

Backend: Node.js, Express.js, REST APIs, Java, Spring Boot

Databases: PostgreSQL, MongoDB, Supabase, Firebase Firestore

Cloud & DevOps: GCP, AWS, Git, GitHub, Vercel

Backend Concepts: Authentication, Authorization, REST APIs, API Integration, Role-Based Access Control, Cron Jobs

IoT & Communication: MQTT

Mobile: Flutter, React Native, Android SDK

Tools: VS Code, Android Studio, Xcode, Vite, Google Maps API

Work Experience

Software Engineer | Zimplistic India Private Limited

September 2025 - Present

- Developed and deployed a Node.js backend on GCP to integrate HubSpot Chat with the Rotimatic mobile application, including user identity generation and secure communication with a Firebase-hosted frontend embedded via WebView.
- Designed an identity flow that mapped authenticated mobile users to their HubSpot identity using email addresses, enabling personalized chat sessions while securing backend endpoints with API key authentication.
- Integrated AWS Cognito into the Flutter application for user authentication and established authenticated MQTT connections for real-time communication with Rotimatic devices.
- Developed and integrated backend functionality for production features including machine diagnostics, warranty management, and device lifecycle workflows, supporting 5K+ connected devices.

Projects

Grosoon | Node.js, Supabase, PostgreSQL, Razorpay, Render | [APK Demo](#)

Ongoing

- Built the complete backend and mobile application for a grocery marketplace connecting customers, administrators, shopkeepers, and delivery partners, with OTP authentication, product management, ordering, payments, and role-based dashboards.
- Designed a smart product allocation system that distributes items from a customer order across eligible shops based on shopkeeper pricing and customer PIN code, automatically generating shop-specific sub-orders while maximizing client margin.
- Implemented administrator-controlled customer pricing and shopkeeper inventory workflows, automatically filtering listings that exceed the configured selling price, and integrated Razorpay payments with the Node.js backend deployed on Render.

Redrabbitt Wellness | Node.js, Next.js, Supabase, Razorpay, Render

Live

- Built and deployed the Node.js backend for a diagnostic marketplace connecting customers with multiple independent labs, supporting test/package discovery, cart management, lab comparison, slot booking, sample collection, report management, and OTP-based authentication.
- Designed a multi-lab order allocation system allowing customers to select individual tests and packages from different labs within a single order, automatically splitting orders by lab while using product snapshots to preserve historical pricing and test/package data even after catalog changes.
- Implemented automated slot generation, Razorpay payments, EMI workflows, and scheduled WhatsApp notifications, including configurable EMI eligibility and limits for administrators and automated payment reminders before installment due dates using Supabase cron jobs.

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

Live

- Built and deployed a production mobile application and admin dashboard for an offline retail store, allowing customers to browse available products, prices, stock, and promotional banners before visiting the store.
- Developed the Node.js and Express.js backend with PostgreSQL, enabling administrators to manage products, prices, inventory, banners, and other store operations through a centralized dashboard.

Education

National Institute of Technology, Rourkela

Bachelor of Technology in Mechanical Engineering CGPA : 7.68/10

December 2021 - May 2025

Odisha, India