

BHARAT NEGI

Software Development Engineer — Java Backend Engineer

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GitHub | LinkedIn | Portfolio | LeetCode

SUMMARY

Software Development Engineer with 3+ years of experience building enterprise and product applications using **Java, Spring Boot, REST APIs, SQL Server, React, and React Native**. Experienced in backend architecture, database design, workflow automation, RBAC, performance optimization, and production debugging.

PROFESSIONAL EXPERIENCE

INNEFU LABS

Nov 2025 – Present

Assistant Programmer – Software Development — Client Site

Delhi

Enterprise Administration & Operations Management Platform

- Engineered a centralized enterprise platform integrating **Inventory, Visitor, Library, and Task & File Movement Management**, replacing fragmented manual and Excel-based workflows across departments and branches.
- Reduced Visitor Entry processing time from 52 seconds to approximately 1 second (~98% reduction) by profiling application workflows and optimizing backend processing and data retrieval.
- Designed and developed **Spring Boot REST APIs** supporting asset lifecycle, visitor registration, task assignment, file movement, library operations, reporting, and workflow management.
- Designed relational **SQL Server schemas and database operations** supporting interconnected enterprise modules, validations, business rules, and multi-branch data management.
- Engineered asset lifecycle workflows covering **onboarding, allocation, AMC, warranty, End-of-Life, and software license tracking** for 20,000+ IT assets.
- Implemented **Role-Based Access Control (RBAC)**, backend authorization, and validation mechanisms to enforce secure access across users, departments, and organizational roles.
- Built task and file movement workflows supporting **assignment, prioritization, status tracking, expected submission dates, remarks, and user-based access**.
- Developed **QR-based asset identification**, reporting, and dashboards; performed application profiling, database analysis, security scanning, and production debugging.

ROOT INFO SOLUTIONS

Aug 2024 – Aug 2025

Software Engineer

Delhi

- Developed product-based mobile and web applications using **React Native and React.js**, contributing to feature development, API integration, debugging, and application stability.
- Engineered backend services using **Java, Spring Boot, Node.js, and Express.js**, developing REST APIs and data models using **MySQL and MongoDB**.
- Developed **Scentiment**, an IoT-enabled perfume dispenser and e-commerce platform, integrating React Native with **Bluetooth Low Energy (BLE)**; implemented JWT authentication, backend middleware, and reliable data synchronization.

TATA CONSULTANCY SERVICES (TCS)

Oct 2020 – Oct 2021

Programmer

Noida

- Enhanced existing web applications using **JavaScript, HTML, and CSS**, improving application behavior, responsiveness, and user experience.
- Developed SQL queries for **data extraction, validation, reporting, and issue investigation**; analyzed application logs and production data for root-cause analysis and production resolution.

SELECTED PROJECTS

Scentiment – IoT-Enabled Perfume Dispenser & E-Commerce Application *Root Info Solutions* | *Play Store* | *App Store*

Java | *Spring Boot* | *React Native* | *MySQL* | *JWT* | *REST APIs* | *BLE*

- Developed backend services using **Java and Spring Boot** for user management, IoT device control, and e-commerce workflows.
- Developed cross-platform mobile functionality using **React Native** and integrated **Bluetooth Low Energy (BLE)** for real-time communication with IoT-based perfume hardware.
- Designed MySQL data models and implemented reliable synchronization between backend services, mobile clients, and connected hardware devices.
- Implemented **JWT authentication and secure REST APIs**, following layered and modular architecture for

maintainability and scalability.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, C++, SQL
Backend: Spring Boot, Spring MVC, Hibernate, JPA, Node.js, Express.js, REST APIs
Frontend: React, React Native
Databases: SQL Server, MySQL, MongoDB
Architecture: REST API Design, Service Layer Architecture, Database Schema Design, JWT, RBAC, Business Logic, Query Optimization, System Design
Engineering: Performance Optimization, Debugging, Security Scanning, Code Reviews, Production Support
Tools: Git, Maven, Postman, Android Studio

EDUCATION

MASTER OF COMPUTER APPLICATIONS (MCA) — GPA: 8.23 **July 2022 – June 2024**
CENTRAL UNIVERSITY OF HARYANA *Haryana, India*
Coursework: Data Structures, Algorithms, Operating Systems, Artificial Intelligence, App Development, Networking, Databases

BACHELOR OF COMPUTER APPLICATIONS (BCA) — GPA: 8.0 **Aug 2017 – July 2024**
KUMAON UNIVERSITY *Nainital, India*
Coursework: C Programming, Data Structures & Algorithms, Operating Systems, Web Development, DBMS

CERTIFICATIONS

Full Stack Web Development: JavaScript and Node.js – Coursera (Meta) — **Spring Boot Fundamentals**
– Udemy