

VENKATESH BOTTUPALLI

Full Stack Java Developer

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PROFESSIONAL SUMMARY

Dedicated Full Stack Java Developer with 2+ years of hands-on experience architecting and delivering production-grade web applications using Java, Spring Boot, and Angular. Experienced in building scalable RESTful APIs and microservices, managing relational databases with JPA and Hibernate, and deploying cloud infrastructure on AWS EC2 with fully automated CI/CD pipelines. Independently built and deployed Hisaab Book — a live digital ledger SaaS application for Indian small businesses — demonstrating end-to-end product ownership from architecture to production. Demonstrated ability to improve backend performance by 30%, increase user engagement by 40%, and cut deployment cycle time by 25%. Proven track record in agile delivery, multi-threaded systems design, and clean-code engineering across enterprise and personal projects.

TECHNICAL SKILLS

Programming Languages: Java, TypeScript, JavaScript, SQL

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Angular, AngularJS

Web & API Development: RESTful API Design, Microservices Architecture, Swagger / OpenAPI, JSON, XML

Database Technologies: MySQL, PostgreSQL, JPA, Hibernate, SQL query optimisation

Cloud & DevOps: AWS EC2, Git, GitHub, Maven, CI/CD Pipelines, Agile / Scrum

Tools & IDEs: Eclipse, Visual Studio Code, IntelliJ IDEA, PuTTY, WinSCP, Postman

Other Concepts: Multi-threading, Concurrency, SOLID Principles, Clean Code, Role-Based Access Control (RBAC)

PROFESSIONAL EXPERIENCE

Java Full Stack Developer

Alladi Cloud Solutions, Hyderabad, India | February 2023 – Present

- Designed and developed scalable RESTful APIs using Java and Spring Boot for enterprise platforms including ActNow Cloud, LocalTaxi, and CloudBus, achieving a 30% improvement in backend response performance through optimised service design and query tuning.
- Built responsive, real-time dashboard modules using AngularJS, increasing user engagement by 40% through interactive data visualisation and streamlined UI workflows.
- Designed and managed AWS EC2-based cloud infrastructure, reducing deployment cycle time by 25% by standardising environment configuration and automating deployment steps.
- Collaborated in agile sprints for LocalTaxi, delivering core modules including fare calculation algorithms, real-time booking workflows, location tracking, and admin dashboards.
- Architected and implemented a high-concurrency multi-threaded simulation engine in Java to model driver-passenger interactions at scale, handling thousands of simultaneous booking requests with accurate fare adjustment, wait-time, and location-based behaviour.
- Contributed to microservice-ready architecture design by separating concerns across controllers, services, repositories, and DTOs following SOLID and clean-code principles.
- Integrated Swagger / OpenAPI documentation for all REST endpoints, enabling faster onboarding and reducing API ambiguity during QA testing cycles.

PROJECTS

Hisaab Book – Digital Ledger App for Small Businesses (Personal Project)

Solo Full Stack Developer | Spring Boot + Angular + AWS EC2 + CI/CD | 2024 – Present

- Independently designed and built a full-stack digital ledger (Hisaab Book) targeted at small businesses in India, enabling owners to track credit (udhaar), payments, and customer transactions in a simple, mobile-friendly interface — live at hisaab-book.duckdns.org.
- Developed the backend using Java Spring Boot with RESTful APIs, JPA / Hibernate for relational data persistence, and role-based access control (RBAC) for multi-user business accounts.
- Built a responsive Angular frontend with transaction dashboards, customer ledger views, balance summaries, and real-time data updates — optimised for low-end Android devices commonly used by small business owners.
- Deployed the full application on AWS EC2 with a fully automated CI/CD pipeline, enabling zero-downtime releases; configured DuckDNS for custom domain resolution and HTTPS via SSL/TLS.
- Managed end-to-end DevOps independently: server provisioning, environment configuration, Git-based source control, automated build pipelines, and production monitoring.

ActNow – Student Engagement Portal

Full Stack Developer | Java Spring Boot + Angular | Jan 2023 – Feb 2023

- Architected a full-stack student portal with practice tests, writing modules, membership plan management, and role-based access control (RBAC) for admin and student personas.
- Developed Angular frontend modules for login authentication, user dashboards, and membership tracking, fully integrated with a Spring Boot REST API backend.
- Implemented secure content management workflows with JWT-based authentication and Spring Security, ensuring strict role segregation across user types.

LocalTaxi – Online Cab Booking System

Full Stack Developer | Java Spring Boot + Angular | 2023 – Present

- Developed backend controllers and service layers for booking management, driver-passenger matching, trip reporting, and dynamic fare logic using Spring Boot and JPA / Hibernate.
- Built Angular frontend modules for booking flows, trip dashboards, and admin control panels, ensuring seamless coordination between frontend state and backend APIs.
- Designed a microservice-ready architecture with clearly separated controllers, DTOs, service interfaces, and repository layers for long-term maintainability.

CloudBus – Bus Transportation Management System

Full Stack Developer | Java Spring Boot + Angular | 2023 – Present

- Implemented full lifecycle management for drivers, buses, passengers, packages, and bookings including seat allocation, fare calculation, and route management modules.
- Designed real-time reporting dashboards and admin features, handling end-to-end API development, Angular component rendering, and database schema design.

Driver-Passenger Simulation System

System Architect & Developer | Java | 2023

- Designed and executed a high-concurrency simulation engine using Java multi-threading to model large-scale real-world booking scenarios with dynamic trip allocation, timeout handling, and location-based availability logic.
- Validated system behaviour under load by simulating thousands of concurrent virtual requests, demonstrating accuracy of business logic and stability under peak demand.

KEY ACHIEVEMENTS

- Improved RESTful API response performance by 30% through targeted Spring Boot architecture optimisation and SQL query tuning.
- Increased user engagement by 40% by delivering real-time, data-driven Angular dashboard modules with clean UX.

- Reduced cloud deployment cycle time by 25% by standardising and streamlining AWS EC2 configuration workflows.
- Built a production-grade multi-threaded simulation engine handling 1,000+ concurrent virtual booking requests with zero data corruption.
- Independently built and deployed Hisaab Book — a live, production SaaS ledger app for Indian small businesses — on AWS EC2 with full CI/CD automation from scratch.
- Delivered 5 end-to-end full stack projects across fintech, transport, education, and simulation domains within 2 years.

EDUCATION

Bachelor of Technology – Electronics and Communication Engineering

Geethanjali College of Engineering and Technology, Hyderabad | 2019 – 2023 | CGPA: 7.2 / 10

Intermediate – Mathematics, Physics, Chemistry (MPC)

Akshara Junior College, Hyderabad | 2017 – 2019 | 96%

LANGUAGES

English (Native / Professional Proficiency) | Hindi (Proficient)