

# Harish Uppu

Full Stack Developer | Senior Software Engineer

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📍 Hyderabad, Telangana, India

🔗 portfolio

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## WORK EXPERIENCE

### Valuelabs

Senior Software Engineer Specialist

Dec, 2022 - Present

- Built a scalable and responsive Full Stack e-commerce web application using the Angular and Java (Spring Boot), enhancing user experience and performance.
- Designed wireframes and UI flows in Figma, streamlining the development process and improving collaboration between design and development.
- Implemented state management using NgRx and RxJS in Angular with Typescript, enabling reactive UI updates and robust stateful interactions.
- Utilized modern Angular features such as Signals to improve performance and component reactivity.
- Developed secured RESTful APIs with spring Boot and SQL, using best practices in error handling and DTO's and ensured the smooth integration between frontend and backend components.
- Integrated SonarQube with Jenkins for automated CI/CD and continuous code quality checks, along with SignalFx for APM monitoring, enhancing system observability and performance.
- Followed clean coding principles to remove code smells and redundancies, resulting in improved maintainability and readability. Participated in code reviews and followed Agile methodologies, using Jira to manage tasks and sprints, which improved code quality, team collaboration, and development efficiency.

## EDUCATION

### CMR College of Engineering and Technology

Electronics and Communication engineering

2019 - 2023

## PROJECTS

### Shutterfly

Dec, 2022 - Present

- Built a full-stack e-commerce web app, delivering a smooth, user-friendly experience.
- Implemented JWT-based authentication using spring security with role-based access, securing user data and access levels. Hosted the application on ECS and versioned code on GitHub for efficient collaboration and seamless deployment
- Integrated with major partners like Amazon and Walgreens, expanding platform capabilities.
- Developed features like backend pagination, email services, and shim layer architecture for modular and scalable backend performance.
- Utilized Angular features such as Signals, NgRx, and RxJS for reactive state management in frontend.
- Created RESTful APIs with and managed data persistence with PostgreSQL using indexing and optimized joins. Migrated Legacy NodeJs Api's to Java, aligning with backend stack requirements.
- Integrated SonarQube with Jenkins for automated code quality checks and CI/CD.
- Added SignalFx for APM monitoring, improving system observability and performance tracking.
- Implemented unit and integration testing with JUnit, Jest, Mocha, and Chai, enhancing code reliability .

## SKILLS

Languages: Java, C++, JavaScript, Typescript.

Frontend Technologies: AngularJS, Vue.js .

Backend Technologies: Node.js, Spring Boot , maven, Tomcat, ExpressJs

Databases: PostgreSQL, JPA, Hibernate, MongoDB, Mongoose (ORM)

DevOps/Other Tools: Jenkins, Docker, SonarQube, JWT, Jest, Mocha, Chai, ECS, Git, GitHub, Jira, postman

UI/UX: Figma