Harish Uppu

Full Stack Developer | Senior Software Engineer

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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 MEAN stack, 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 RESTful APIs using Node.js, Express.js and Typescript, ensuring 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 LDAP and JWT-based authentication 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 **Node.js and Express**, and managed data storage with **MongoDB Atlas**.
- 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 **Jest, Mocha, and Chai**, enhancing code reliability and proactively identifying bugs during development.

SKILLS

Languages: C, C++, JavaScript, Typescript, Java
Frontend: AngularJS, React.js, Vue.js
Backend: Node.js, Spring Boot
Databases: MongoDB, Mongoose (ORM), PostgreSQL
DevOps/Other Tools: Jenkins, Docker, SonarQube, JWT, Jest, Mocha, Chai, ECS, Git, GitHub, Jira
UI/UX: Figma