Soumya Tejaswi Vadlamani Software Developer

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Summary

Detail-oriented and highly skilled Software Developer with 3+ years of expertise in backend and frontend development, cloud technologies, and system optimization. Experienced in designing and deploying scalable applications with a focus on performance, security, and user experience. Proficient in a variety of technologies including Spring Boot, React.js, AWS, Azure, and MySQL. Adept at problem-solving, collaborating in cross-functional teams, and delivering high-quality software solutions. Committed to continuous learning and staying current with industry trends to create innovative solutions.

Technical Skills

- **Programming Languages**: Java, Python, JavaScript, TypeScript
- **Frameworks & Libraries**: Spring Boot, React.js, Node.js, Express.js, Redux, Bootstrap
- **Cloud Platforms & Services**: AWS (EC2, S3, Lambda, RDS), Azure (SQL Database, Functions)
- **Databases**: MySQL, PostgreSQL, MongoDB, Redis
- **Version Control & Collaboration**: Git, GitHub, GitLab, Bitbucket, SVN
- **CI/CD & Automation**: Jenkins, Docker, Kubernetes, GitHub Actions, CircleCI
- **Security & Authentication**: JWT, OAuth 2.0, Role-based Access Control, SSL/TLS, Data Encryption
- **Testing & Quality Assurance**: JUnit, TestNG, Mocha, Chai, Selenium, Postman, Jest, TDD/BDD
- **Deployment & Orchestration**: AWS Elastic Beanstalk, Azure App Services, Docker, Kubernetes, Terraform
- **Development Methodologies**: Agile (Scrum, Kanban), TDD, CI, CD
- **Other Tools**: Swagger, Nginx, Apache, RabbitMQ, Jira, Confluence

Work Experience

Software Developer, *Liberty Mutual*   03/2024 – Present | Remote, USA

- Developed a Policy Management System at Liberty Mutual, collaborating with cross-functional teams to gather business requirements, design core features, and improve the user experience for policyholders and agents, leading to a 20% increase in customer satisfaction.
- Led Backend Development using Spring Boot to implement policy management features such as policy creation, updates, renewal notifications, and premium calculation, enhancing system functionality and ensuring seamless integration with external data sources.
- Optimized Database Schema in MySQL for efficient data storage and retrieval of policy information. Implemented indexing and query optimization techniques, improving data retrieval speed by 30% and ensuring smooth access to over 100,000 policies.
- Developed Frontend Interface using React.js, designing an intuitive user interface that enabled agents and customers to easily manage and view policies. Conducted A/B testing for UI improvements, leading to a 15% increase in user engagement.
- Implemented Secure Authentication using JWT to ensure secure access to sensitive policy data. Developed role-based access control, ensuring that only authorized users could view or modify specific policy details, aligning with Liberty Mutual's security standards.
- Deployed System to AWS Cloud using Elastic Beanstalk, ensuring scalable and high-availability infrastructure for handling 10k+ concurrent users. Automated CI/CD pipeline integration to streamline updates, ensuing in faster release cycles and reduced downtime.

Associate Software Developer, *Bosch Global Software Technologies*   05/2020 – 07/2022 | A.P, India

- Developed the Cloud-based Inventory Management System for Bosch, collaborating with cross-functional teams to gather requirements and design core features. Successfully streamlined inventory tracking processes, improving operational efficiency by 30% and reducing inventory errors by 25%.
- Led backend development using Spring Boot to apply business logic for inventory tracking and order management. Optimized data processing speed by 40%, ensuring seamless integration with the frontend and supporting over 500 real-time transactions per minute.
- Designed and optimized the MySQL database schema in Azure Cloud for efficient data storage and retrieval, supporting over 100,000 product entries. Improved system scalability by 35%, enhancing overall performance and response time during peak hours.
- Developed intuitive user interfaces with React.js, conducting A/B testing for key UI features, improving user engagement by 20%. Designed dashboards that simplified inventory management for 200+ admin users, reducing manual entry time by 15%.
- Implemented robust security features such as JWT authentication, role-based access control, and data encryption, ensuring protection for over 1,000,000 inventory records. Complied with Bosch's security standards, mitigating security risks by 40%.
- Conducted unit testing using JUnit and integrated a CI/CD pipeline with Jenkins, reducing manual testing time by 50%. Automated 95% of the deployment process, leading to faster release cycles and higher code quality.
- Managed the deployment of the system to Azure, utilizing Azure App Services and Azure SQL Database. Successfully migrated the system with zero downtime, scaling to handle 1,000+ concurrent users, ensuring high availability and seamless user experience.

Education

Master of Science (M.S.) in Computer Science
Florida State University   08/2022 – 05/2024 | Tallahassee, FL, USA
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering
Gandhi Institute of Technology and Management (GITAM)   06/2017 – 06/2021 | Visakhapatnam, AP, India