



Aima Ovai

Remote

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Professional Summary

Software Engineer with 3+ years of experience delivering enterprise software systems, including frontend-heavy full-stack applications and backend services in collaborative, distributed environments. Currently working as a Backend Java Engineer on distributed systems and APIs, with prior experience focused on React and TypeScript-based web applications. Known for owning features end-to-end, writing maintainable code, and collaborating effectively within remote teams.

Professional Experience

Java Engineer, SE II | American Express

2025 - Present

- Design and develop backend services and APIs using Java within a large-scale, distributed enterprise environment.
- Contribute to system reliability, performance, and maintainability through clean architecture, code reviews, and testing best practices.
- Apply AI-assisted, agent-oriented development workflows for problem decomposition, tool-assisted code validation, and test generation, incorporating feedback loops and verification steps to improve delivery speed and code quality within enterprise standards.
- Collaborate with frontend engineers, product managers, and platform teams to deliver secure, scalable solutions.
- Support cloud-based deployments and CI/CD workflows in a highly regulated financial ecosystem.

Software Engineer II | Dell Technologies

2022 - 2024

- Led development of modular, scalable frontend microservices using React, TypeScript, and JavaScript, enabling integration of multiple Dell storage systems.
- Improved UI/UX adoption by 15% through intuitive, responsive interfaces built from Figma designs.
- Supported full-stack feature development by authoring Protobuf-based service contracts, generating service models, and collaborating on Go-based backend systems to improve API integration, data handling, and system reliability.
- Accelerated release cycles by optimizing CI/CD pipelines with Jenkins and GitHub.
- Designed reusable component libraries, reducing feature development time and improving maintainability.
- Authored UML sequence diagrams and technical documentation, reducing onboarding time for new engineers by ~30%.

Software Engineer Intern | Dell Technologies

2021

- Revamped front-end components using ReactJS and TypeScript, improving system responsiveness and user experience.

- Reduced manual monitoring time by 60% by integrating ElasticSearch into Dell's Isilon system, enabling automated data tracking and analysis for test transfer results using Python and ElasticSearch API.
- Implemented Python unit tests to ensure code reliability and improve overall system performance.
- Applied ETL processes to 50+ data sets, enhancing data accuracy and enabling seamless data ingestion into ElasticSearch.
- Developed an extensive technical Confluence document for the newly implemented system, improving knowledge transfer, facilitating onboarding, and ensuring streamlined maintenance for future enhancements.
- Led daily scrums as Scrum Master, boosting sprint efficiency by managing backlogs and stories in Jira.

IT Intern | American Family Insurance

2020

- Enhanced internal tool efficiency by revamping front-end components with React.js, HTML, and CSS, leading to an increase in user satisfaction and faster feature deployment.
- Boosted team productivity by creating reusable and responsive components, reducing development time by 10% and improving the overall codebase maintainability.
- Accelerated project timelines by producing wireframes and prototypes that sped up design approvals, ensuring quicker project completion and iteration cycles.

Core Skills

- **Backend:** Java, REST APIs, Backend-for-Frontend (BFF), Protobuf, Node.js, Python, Go
- **Frontend:** React, Next.js, JavaScript, TypeScript, HTML5, CSS3, Sass
- **Cloud & DevOps:** AWS (IAM, S3), Azure DevOps, Docker, Kubernetes, Jenkins
- **Testing:** JUnit, Jest, Cypress, Selenium, BDD, E2E Testing
- **Data:** ElasticSearch, SQL, NoSQL
- **Practices:** Agile/Scrum, CI/CD, TDD, SDLC, AI-assisted development workflows

Education

University of North Texas

Master of Science: Biomedical Engineering

Minor: Computer Science

University of North Texas

Bachelor of Science: Biomedical Engineering

Minors: Computer Science & Mathematics

Certifications/Relevant Courses

- Docker Foundations Professional Certificate
- Security Foundations
- CompTIA Security + (SY0 – 701) -in progress