

Bhumika Dommaraju

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Profile Summary

Results-oriented **Full Stack Java Developer** with around **3 years of experience** delivering scalable, high-performance web applications leveraging **MySQL, React.js, and Spring Boot**. Skilled in crafting responsive frontends using **React, Redux, TypeScript, and Tailwind CSS**, as well as building robust backends with **RESTful APIs, microservices**, and event-driven designs. Adept at **cloud deployments** and **DevOps** automation with **Docker, Kubernetes, Jenkins**, and **AWS**, and well-versed in **Git, CI/CD pipelines**, and **Agile** practices. Proven track record collaborating across teams to **optimize** application performance, ensure secure coding standards, and drive digital transformation initiatives that **deliver** measurable business value.

Technical Skills

Programming Languages & Frameworks: Java, JavaScript, TypeScript, Go, SQL, Spring Boot, Spring MVC, Hibernate, FastAPI, Node.js, Express.js, NestJS

Frontend Development: React.js, Next.js, Angular, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, JSP, Responsive Design, Web Accessibility (WCAG), Figma

Backend & API Development: RESTful APIs, GraphQL, Microservices Architecture, JWT Authentication, OAuth 2.0, API Gateway, Role-Based Access Control (RBAC), Webhooks, Server-Side Rendering

Cloud, DevOps & Infrastructure: AWS (EC2, S3, Lambda, RDS, API Gateway, Cognito, ECS, EKS), Microsoft Azure, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Nginx, Vercel, Netlify, CI/CD Pipelines

Databases, Caching & Messaging: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Cassandra, Apache Kafka, RabbitMQ, Redis Streams, Elasticsearch, Caching Strategies, Sharding, Partitioning

Tools, Testing & System Design: Git, Maven, Jira, Agile/Scrum, JUnit, Mockito, Selenium, Jest, Cypress, Mocha, Postman, ELK Stack, Prometheus, Grafana, Load Balancing, Circuit Breakers, Code Reviews

Professional Experience

Full Stack Java Developer, *BNY Mellon*

Aug 2024 – Present | USA

- Oversaw the end-to-end development and delivery of **customer-facing financial portals** using **Java, Spring Boot, React.js, and AWS**, achieving **high availability** and **robust** performance for real-time account management, personalized financial dashboards.
- Engineered **RESTful APIs** integrating **third-party payment gateways and credit bureaus** using **Java and AWS Lambda**, streamlining **fund transfers** and **KYC**, which reduced processing times by **20%** and enabled **instant account verification**.
- Implemented **automated CI/CD pipelines** with **Jenkins** and **Docker**, reducing deployment time by **40%** and supporting **instant balance updates, secure document uploads, and notifications** with less than **1% downtime** for users.
- Applied secure authentication and granular access controls with **JWT, OAuth2, and multi-factor authentication**, ensuring **GDPR compliance**, safeguarding sensitive financial data, and utilizing **AWS CloudWatch** and **Splunk** to monitor and audit security events.
- Orchestrated deployment and management of **containerized microservices** on **AWS ECS** and **EKS**, supporting **rapid scaling** for peak user times, **real-time fraud detection modules**, and seamless software upgrades with **zero customer disruption**.
- Collaborated with **UX/UI teams** to create **user-friendly, mobile-responsive interfaces**, delivering **interactive account summaries, simple money transfer features, and tailored financial insights** to enhance user engagement.

Full Stack Java Developer, *Capgemini*

Feb 2022 – Jul 2023 | India

- Designed and supported **cloud-native web applications** using **Java, Spring Boot, Angular, and Azure**, increasing platform resilience by **30%**, optimizing system performance, and improving user experience for over **10,000 enterprise clients**.
- Integrated **Azure Blob Storage** to deliver secure, scalable file storage, streamlining data workflows by **35%**, supporting seamless management of over **500,000 files** for stakeholders and critical enterprise applications.
- Standardized **local development and automated testing setups** with **Docker Compose**, minimizing environment inconsistencies and greatly enhancing team collaboration, code reliability, and delivery efficiency.
- Enhanced **application monitoring and incident management** by deploying **Azure Monitor** alongside the **ELK stack**, enabling real-time logging, advanced alerting, and prompt issue resolution across systems.
- Modernized **legacy monolithic applications** by migrating to **modular microservices architecture** managed with **Kubernetes**, which improved scalability, accelerated deployments, and lowered maintenance efforts.
- Established comprehensive **security controls** with **Azure Active Directory, OAuth2, JWT, SSL/TLS**, and **monitoring tools** such as **Azure Monitor** and **ELK stack**, safeguarding **data transmission** and ensuring **compliance**.
- Led **cost optimization efforts** using **Azure Cost Management** and strategic resource right-sizing, resulting in significant reductions in operational expenses and enabling scalable, sustainable cloud solutions.
- Facilitated **Agile delivery** by closely collaborating with **cross-functional** teams, translating business needs into technical solutions, and releasing features iteratively to maximize product value and stakeholder satisfaction.

Education

Master of Science, University at Albany (State University of New York)
Computer Science

Aug 2023 – May 2025 | Albany, USA

Bachelor of Technology, CVR College of Engineering
Computer Science and Engineering

Aug 2019 - May 2023 | Hyderabad, India