

Bhumika Dommaraju

bumikadommaraju7@gmail.com | +1 (518) 870-7737 | NY, USA | [LinkedIn](#)

Profile Summary

Results-driven Full Stack Java Developer with 3+ years of experience delivering scalable, secure, and cloud-native solutions across banking, fintech, and healthcare domains. Skilled in Java, Spring Boot, RESTful APIs, Kafka, AWS, Kubernetes, and CI/CD pipelines to build high-performing microservices and streamline deployments. Proficient in React.js, Next.js, Angular, and optimized databases (PostgreSQL, MongoDB, Redis) for seamless data processing and responsive interfaces. Adept at implementing OAuth2, JWT, RBAC to ensure compliance with SOX, HIPAA, and PCI-DSS standards while improving system reliability, scalability, and user experience in enterprise applications.

Technical Skills

Front-End Technologies: HTML5, CSS3, JavaScript (ES6+), React.js, Angular, Redux, TypeScript, Bootstrap, Next.js, AJAX, jQuery, Responsive Design, Web Accessibility (WCAG), Figma

Back-End & API Development: Java, Spring Boot, J2EE, Spring Security, RESTful APIs, Microservices, Node.js, Express.js, Python (Django, Flask, FastAPI), ASP.NET, MVC Framework, JWT, OAuth2, API Gateway, RBAC

Database & Storage: MySQL, PostgreSQL, MongoDB, SQL Server, Oracle, Redis, Firebase, Cassandra

Cloud Platforms & DevOps: AWS (EC2, S3, RDS, Lambda, API Gateway, Cognito, ECS, EKS), Microsoft Azure, Docker, Kubernetes (EKS, AKS), Jenkins, Git, GitHub Actions, Terraform, Linux, CI/CD Pipelines

Tools & Frameworks: Apache Maven, Log4j, Guava, Swagger, Postman, Apache Kafka, RabbitMQ, JUnit, Mockito, SonarQube, Nginx, Load Balancing, Circuit Breakers

Monitoring & Collaboration: Splunk, ELK Stack, Prometheus, Grafana, ServiceNow, Jira, Agile/Scrum

Professional Experience

Full Stack Java Developer, BNY Mellon Aug 2024 – Present | USA

- Built portfolio reconciliation microservices using Java, Spring Boot, and REST APIs, processing 3M+ daily transactions, reducing data discrepancies 38%, and improving financial reporting accuracy enterprise-wide.
- Developed React.js and Next.js client dashboards for wealth-management insights, enabling real-time portfolio visualization, increasing advisor productivity 29% and enhancing overall customer experience for institutional investors.
- Optimized PostgreSQL and Redis data pipelines for high-volume fund transfer workflows, cutting query latency 35%, supporting seamless settlement processing for multi-currency cross-border transactions.
- Integrated secure API Gateway workflows with OAuth2 and SSO authentication, streamlining access for 75K+ users, strengthening platform security posture and improving compliance with SOX/PCI standards.
- Implemented automated CI/CD pipelines on AWS ECS, EKS, and Jenkins, reducing deployment windows 42%, enabling stable releases for mission-critical real-time trading applications with minimal downtime.
- Configured Splunk and Prometheus-based monitoring with proactive alerting for transaction anomalies, reducing average incident resolution time 37% and boosting platform uptime for treasury operations.
- Collaborated with architecture teams to design fault-tolerant microservices and event-driven Kafka streams, improving scalability 33% during peak-hour settlements and increasing transaction throughput for global investment services.

Software Engineer, Cardinal Health Jun 2021 – Jul 2023 | Remote, India

- Engineered a prescription order management platform using Java, Spring Boot, and REST APIs, processing over 600K orders monthly, cutting manual interventions by 34%, and streamlining pharmacy workflows.
- Created React.js dashboards with Redux for drug inventory monitoring, reducing stock-out incidents by 28% and enabling real-time alerts for 900+ hospital supply chain managers nationwide.
- Integrated Oracle and MongoDB for hybrid storage architecture, boosting data retrieval speeds by 31% and improving accuracy in patient medical histories across distributed healthcare platforms.
- Implemented HIPAA-compliant authentication with JWT and Spring Security, minimizing unauthorized access by 39% and enhancing protection of sensitive prescription data in cloud environments.
- Automated CI/CD pipelines using Jenkins and Kubernetes, cutting deployment times by 41% and enabling seamless zero-downtime releases for mission-critical healthcare applications.
- Set up ELK Stack monitoring with Prometheus alerts, proactively identifying 15 recurring issues, slashing incident resolution times by 36%, and strengthening overall reliability of pharmacy order systems.
- Designed role-based access controls (RBAC) and audit logging to enhance compliance with HIPAA and FDA regulations, improving security governance and audit readiness for critical healthcare platforms.
- Collaborated with cross-functional teams to implement load-balanced Nginx clusters and circuit breaker patterns, increasing system availability by 27% during peak prescription order surges.

Education

Master of Science, University at Albany (State University of New York) Aug 2023 – May 2025 | Albany, USA
Computer Science

Bachelor of Technology, CVR College of Engineering Aug 2019 - May 2023 | Hyderabad, India
Computer Science and Engineering