

SHYAMALA VENKATAKRISHNAN

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PROFESSIONAL SUMMARY

Software Engineer with 6+ years experience building enterprise-scale platforms and microservices. Specialize in working with translation platforms serving multiple business lines, real-time data integration systems, and high-performance REST APIs. Proven track record delivering measurable impact: 75% reduction in manual workflows, 99.8% system uptime, and 60% faster development cycles. Strong technical leadership across cross-functional teams with deep expertise in Java frameworks, event driven messaging, cloud platforms, DevOps practices.

TECHNICAL SKILLS

Languages: Java, Python | **Frameworks:** Spring, Spring Boot, Hibernate |

Databases: MySQL, DB2, Redis | **Web:** HTML, CSS, JavaScript, RESTful APIs |

Messaging: Apache Kafka | **Testing:** Playwright, Jest, JUnit, Mockito |

CI/CD: Jenkins, Maven, Gradle, Git, GitHub, SVN | **Cloud:** PCF, AWS (EC2, CloudWatch), GCP |

Analytics: Matplotlib, Seaborn, Tableau

PROFESSIONAL EXPERIENCE:

Senior Software Engineer, Wells Fargo, USA

Feb 2024 – Jan 2026

- Working with an enterprise-wide translation platform serving multiple lines of business with diverse workflows for customer-facing web and mobile applications
- Developed REST APIs for Translation Management System integration, reducing manual processing time by 75% and creating centralized service hub
- Optimized Spring Boot microservice performance through server-side pagination, reducing page load time from 20s to under 2s; improved uptime to 99.8%
- Built ADA compliance tool to automatically tag non-translatable terms, ensuring accessibility across 50+ applications
- Implemented end-to-end test automation framework using Playwright/Jest, achieving 90% test coverage, provided troubleshooting for client teams, and coordinated cross-functional workflows.
- Tech Stack: Java, Spring Boot, Kafka, SQL, PCF, JUnit, Mockito, Jenkins, GIT

Senior Software Engineer, Mindtree Limited, India

Jul 2019 – Jan 2022

- Primarily contributed in real-time integration of performance metrics, alarms, and tickets from multiple data sources (Exoprise, Datadog) into MWatch monitoring tool
- Developed Rest APIs for data integration using Java, SpringBoot and Hibernate frameworks. Validated and processed the ingested data from various data sources, persisted it in a relational data store (MySQL), and routed the data to Kafka topics using Apache Camel. The downstream microservices would consume this data, apply validations, and creates tickets of type Incident, Service Request, etc in MWatch tool.
- Designed and implemented a generic Agent-Server integration framework that standardized data ingestion patterns, reducing development time for new integrations by 60% and enabling rapid onboarding of 15+ data sources.
- Secured APIs implementing IP filtering, sliding window rate limiter, audit logging, input validation, and Spring Vault encryption
- Tech Stack: Java, Spring, Hibernate, Spring Boot, Apache Kafka, MySQL, SVN

Software Engineer, Tata Consultancy Services Ltd, India

Jul 2016 – Jun 2019

- Developed Java/Mainframe RESTful web services for U.S. insurance organization supporting property, home, and renters insurance products
- Architected discount eligibility service implementing complex business rules for Early Quote discount assessment
- Built REST APIs for safety and security elements management with full CRUD operations for property attributes
- Tech Stack: Java, PL1, MySQL, DB2, Rest API, GIT

EDUCATION

Master of Professional Studies, Analytics -Applied Machine Intelligence (2022-2024)

CGPA 4.0 / 4.0

Northeastern University – San Jose, California

Bachelor of Engineering, Electronics and Communication Engineering (2012-2016)

Sri Sairam Engineering College, Anna University, Chennai, India

CGPA 8.7/10.0