

Gaurav Shilpakar

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EXPERIENCE

MetLife (via DataQuest Corp)

Jan 2024 – Present

Full Stack Software Developer

Cary, NC

- Modernized a legacy insurance platform by migrating .NET/Citrix workflows to **Java Spring Boot microservices** on **Azure AKS**, improving onboarding efficiency by **30%** and increasing stakeholder satisfaction
- Designed and implemented **6 domain-aligned microservices**, applying REST-based integration patterns and distributed system best practices to improve scalability and maintainability
- Optimized complex DB2 queries using **CTEs and window functions**, reducing API latency by **93% (45s → 3s)**
- Built secure APIs using **Spring Security and JWT**, supporting thousands of internal users with role-based access control
- Instrumented services with structured **logging and metrics (Application Insights)** to enable real-time monitoring and troubleshooting
- Containerized applications with **Docker** and deployed via **Azure DevOps CI/CD** pipelines to **Kubernetes**, enabling multiple releases per sprint
- Maintained **80%+ test coverage** using JUnit and Mockito while collaborating in Agile/Scrum teams across distributed environments

Credit Suisse (via DataQuest Corp)

Sep 2021 – Oct 2023

Full Stack Software Developer

Morrisville, NC

- Modernized legacy batch applications by migrating workloads from **EOSL (End of Service Life) servers** to **Red Hat OpenShift on AWS**, improving **scalability** and **operational stability** for enterprise trading systems
- Designed and built **high-throughput Kafka microservices**, processing trade affirmation messages using **Kafka Producers, Consumers, Streams**, and event-driven **Spring Boot services**
- Enabled accurate **CNS (Continuous Net Settlement)** trade backfills, supporting **large-scale customer trade reconciliation** by persisting and processing data across **Oracle** and **MongoDB**
- Improved **system resiliency** and **fault tolerance**, reducing service impact during downstream failures by implementing **Hystrix circuit breakers** and **fallback mechanisms** in microservices
- Reduced **operational manual effort by over 90%** by automating trade log retrieval from **Splunk** using **Java/Python-based scripts**, accelerating issue investigation and validation

EDUCATION

University of the Cumberland

2025

Master of Science in Information Technology (GPA: 3.9)

Williamsburg, KY

Texas Tech University

2021

Bachelor of Science in Computer Engineering (GPA: 3.8)

Lubbock, TX

TECHNICAL SKILLS

Languages: Java (8/17/21), Python, JavaScript, TypeScript, SQL, HTML5, CSS, C++

Backend: Spring Boot, MVC, Security, Batch, REST, Kafka, Microservices, Event-Driven, Distributed

Databases: Oracle, DB2, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, EKS, S3, RDS), Azure (AKS), Docker, Kubernetes, CI/CD, Jenkins

Observability & Tools: Splunk, ELK Stack, GitHub, Linux/Unix, Redis, git, Firebase, JIRA

Methodologies: Agile, Scrum, Test-Driven Development (TDD)