

# ADITYA JHA

**Backend Engineer | Java & Python | Microservices | Data Processing | Cloud | APIs**

Bangalore, India

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## PROFESSIONAL SUMMARY

Accomplished Senior Backend Engineer with 5+ years of expertise in architecting secure, high-performance APIs and microservices within AWS cloud ecosystems. Skilled in enhancing Dev Experience, leveraging T-shaped skills, and implementing Test-Driven Development (TDD) to ensure robust, scalable solutions. Proven success in API performance tuning, cost optimization, and delivering customer-focused solutions. Proficient in industry-leading tools like JMeter, Swagger, and advanced profiling techniques, as well as Agile tools such as Jira and Confluence for streamlined collaboration and transparency. Recognized for proactive ownership, innovative problem-solving, and elevating code quality, system resilience, and customer satisfaction.

## TECHNICAL SKILLS

**Programming Languages & Frameworks:** Java (17+), Python (pytest, unittest, FastAPI, Flask), Spring Boot (3.x.x), Spring Security, JavaScript, React, Bash

**DevOps & Cloud:** Jenkins, ArgoCD, Azure DevOps, GitHub Actions, AWS (EC2, S3, Lambda), Docker, Kubernetes, Terraform

**API Performance & Profiling Tools:** JMeter

**Documentation & Collaboration:** Swagger, Postman, Confluence, Jira (Agile)

**Databases:** MySQL, Redis, JPA, Hibernate

**Monitoring & Testing:** JUnit, Mockito, pytest, unittest, AWS CloudWatch, Grafana, Splunk, Kibana, NewRelic

**Quality & Security:** SonarQube, Nexus, hpFortify, SSL/TLS v1.2

**Version Control & Build Tools:** Git, Maven, Gradle

**Event Streaming:** Apache Kafka

## WORK EXPERIENCE

**Java & Python Engineer | Goldman Sachs (via Capgemini), Bangalore**

Mar 2025 – Present

- Developing backend APIs using **Python 3 (FastAPI)** and **Java 17 (Spring Boot)** for the RIA Engineering team, enabling secure and scalable financial data services.
- Building batch jobs for automated data ingestion and processing pipelines supporting reporting and analytics workflows.
- Implementing **unit testing** frameworks (pytest/unittest for Python, JUnit/Mockito for Java) to ensure code quality and maintainability.
- Leveraging **Kafka** for event-driven messaging and **Redis** for caching, improving responsiveness and scalability.

- Deploying APIs and batch services in **cloud-native environments** using Docker and Kubernetes.
- Automating deployments and continuous delivery with **Jenkins and GitHub Actions** as part of an Agile DevOps model.

#### **Sr. Java Developer | Sears Holdings India, Pune**

*September 2020 - March 2025*

- Designed and implemented REST APIs using **Spring Boot (Java)** and Python, with Swagger documentation for easy onboarding.
- Integrated **OpenAI APIs** via Python to create chatbot features, improving customer engagement by 40%.
- Developed **Python-based microservices** for automation, data ingestion, and backend orchestration, complementing Java services.
- Adopted **TDD** and implemented unit testing frameworks (JUnit/Mockito for Java, pytest/unittest for Python), achieving >90% test coverage.
- Optimized system performance by modernizing legacy services from Java 1.6 → Java 11, improving performance by 25% and reducing technical debt by 40%.
- Worked with **Apache Kafka** for event-driven data processing, improving real-time responsiveness.
- Implemented caching and session management with **Redis**, reducing response times for frequent API calls.
- Built and maintained **CI/CD pipelines** using Jenkins and GitHub Actions, ensuring faster and more reliable deployments.
- Containerized services using **Docker** and orchestrated deployments in **Kubernetes**, achieving 99.9% uptime.
- Conducted **API performance testing** with JMeter and profiling with VisualVM, leading to a 25% improvement in response times.
- Ensured **code quality and security** with SonarQube and Fortify, reducing vulnerabilities by 50%.
- Actively participated in Agile ceremonies, peer reviews, and design discussions, helping reduce technical debt and improve delivery quality.
- Promoted **knowledge sharing and pair programming**, mentoring junior developers and raising overall team productivity.



## EDUCATION

### **Bachelor of Technology in Computer Science Engineering**

Lovely Professional University, India | **CGPA:** 9.11

*August 2016 - July 2020*

## LANGUAGES

English, Hindi, Punjabi, Maithili

## PROFESSIONAL QUALITIES

Quick Learner, Aspirational Leader, Team Player

