

Avishek Upadhyay

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SUMMARY

Experienced Principal Engineer with **7 years of expertise** in designing and developing scalable applications using **Java & Spring Boot**. Proficient in problem solving, microservice architecture, data governance and performance optimization. Proven track record of improving system efficiency by **30%**.

TECHNICAL SKILLS

Languages	: Java, Kotlin, Python, JavaScript, SQL
Frameworks	: Spring Boot, Spring MVC, Hibernate JPA, React
Tools	: Gradle, Maven, Docker, Jenkins, Git, Kubernetes
Databases	: PostgreSQL, MySQL, Redis, Neo4j, MongoDB
Technologies	: Kafka, Drools, JWT, GraphQL, REST, Swagger
Cloud	: AWS, IBM Maximo, FlexPLM, Collibra
Monitoring	: Prometheus, Grafana, Splunk, Loki, JConsole

EXPERIENCE

Principal Engineer

Wissen Technology / Morgan Stanley

Oct 2022 – Present

Bangalore, India

- Developed Collibra Data Governance apps using **Java & Spring Boot** with **React dashboards**, deployed on **AWS**, driving firm-wide adoption and **30% improved cataloging** via automated lineage tracking and glossary mapping workflows.
- Utilized multithreading and **Spring Batch** to process over **50K+ daily tasks**, achieving **35% faster processing**
- Engineered rule-based workflows using **Drools**, resulting in **30% improvement in cataloging efficiency**
- Reduced metadata processing latency by **20X** through innovative use of **Kafka, Redis, Proxy, and Caching patterns**
- Optimized **Jenkins CI/CD pipeline** integrating **SonarQube, Cucumber, JaCoCo, and Trivy**
- Led a **5-member Agile team**, boosting sprint velocity and delivery speed by **15%**

System Engineer

Tata Consultancy Services

Jun 2018 – Oct 2022

Kolkata, India

- Modernized Wealth Management (WM) Systems by migrating **Struts to Spring MVC** and optimizing **MySQL and JPA queries**, achieving **14% faster** transactions.
- Built Enterprise Asset Management solutions using **Java, Spring & JDBC**, integrating **IBM Maximo** and designing **MxLoader-based ETL pipelines** for third-party data migration.
- Optimized FlexPLM backend and managed **GitLab build/release pipelines** – achieving **95%** deployment success rate.

PROJECTS

AnchorFlow

Java, Spring Boot, Kafka, Neo4j, Docker

[Source Code](#)

- Stores multi-level hierarchical data in **Neo4j** with dynamic relationships
- Integrated **Kafka** for high-volume event processing (**3x increased throughput**) using **Docker** containerization.

MetaStore

Java, Spring Boot, Redis, PostgreSQL, Docker

[Source Code](#)

- Fetches metadata from **Redis cache and PostgreSQL** with detailed statistics
- Includes CRUD, search, and auto-load test data scripts with full **Docker setup**
- Achieved **18x-25x faster data and search retrieval** using caching

Portfolio Website

HTML5, CSS3, JavaScript

[Live Site](#)

- Responsive portfolio site using **HTML, CSS, and JavaScript**
- Features smooth navigation, mobile support, social links, and **24x7 availability**.

KEY ACHIEVEMENTS

- **Technical Leadership:** Developed scalable solutions at Morgan Stanley that improved efficiency by 30-40%
- **Mentorship:** Led and mentored a 5-member Agile team, boosting delivery speed by 15%
- **Performance Optimization:** Reduced metadata processing latency by 20X through innovative caching solutions

CERTIFICATIONS & APPRECIATIONS

- **Agile Certification** – Morgan Stanley
- **Udemy Gradle Certification**
- **TCS Maximo Certifications** (Functional & Technical)
- Rank under 500 in **TCS CodeVita**
- Ranked 1 in college coding community on **CodeChef**
- "MyThanks" recognition at **Morgan Stanley** for Workshops, Communication & Presentation skills

EDUCATION

Kalyani Government Engineering College
B.Tech in Computer Science & Engineering

West Bengal, India
Jul 2014 – Jun 2018

- Percentage: 70.90%, Affiliated with MAKAUT
- Specialization in Software Engineering
- Completed coursework in Data Structures, Algorithms, and DBMS

National English School
Higher Secondary (XII)

Kolkata, India
2011 – 2013

- Percentage: 82.60%
- Science Stream with Computer Science

National English School
Secondary (X)

Kolkata, India
2009 – 2011

- Percentage: 82.14%
- School Topper in Computer Applications

LANGUAGES

- English (Professional Proficiency)
- Hindi (Native)
- Bengali (Native)

PHILOSOPHY

"Like nature, great code grows organically — start simple, iterate often, and respect the process."