

Avishek Upadhyay

<https://avisheku.io> | [linkedin.com/in/avishek-upadhyay](https://www.linkedin.com/in/avishek-upadhyay) | github.com/avisheku

Email: avishek.upadhyay121@gmail.com

Mobile: +91-8583040508

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 nested 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 24×7 availability.

KEY ACHIEVEMENTS

- **Technical Leadership:** Developed scalable solutions at Morgan Stanley that improved efficiency by 30-40%
- **Mentorship:** Mentored a 5-member team & promoted open communication, resulting in a 15% boost in delivery
- **Performance Optimization:** Achieved 20x faster metadata processing through innovative cache optimization

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

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."