

ABHIJEET DHANWATE

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PROFESSIONAL SUMMARY

Software Engineer with **3+ years of experience** designing, developing, and supporting enterprise applications in **BFSI** and **FinTech** domains. Strong expertise in **Java 17, Spring Boot, RESTful APIs, microservices, Oracle/PostgreSQL** databases, and distributed systems. Experienced across the full Software Development Life-cycle (**SDLC**), including requirements analysis, design, development, testing, deployment, production support, and performance optimization within Agile environments.

TECHNICAL SKILLS

Languages & Frameworks: Java 17, Python, JavaScript, TypeScript, Node.js, React.js, Spring Boot, Spring Security, Spring Batch, Spring Cloud, Spring MVC, Spring Data JPA

Architecture & Practices: Microservices, RESTful APIs, Event-Driven Architecture, Agile/Scrum, SDLC, TDD, Unit Testing, Integration Testing, Secure Coding, Code Reviews, Application Support, Performance Optimization, VAPT Remediation

Cloud & DevOps: Docker, Kubernetes, Jenkins, GitLab CI/CD, AWS (EC2, S3, IAM, SNS), Nginx

Databases: Oracle, PostgreSQL, MySQL, SQL, Query Optimization, Performance Tuning

Messaging & Tools: Apache Kafka, Redis, Git, Postman, JMeter **AI & Intelligent Systems:** Spring AI, Vector Embeddings, OCR Pipelines, AI Workflow Automation, LLM Integration, Retrieval-Augmented Generation (RAG), Vector Stores

WORK EXPERIENCE

Senior Software Engineer

Rhythmflows Solution Pvt. Ltd.

Sep 2024 – Present

Pune, Maharashtra

- Designed and delivered enterprise microservices for a **Payment Hub and Workflow Engine** used by **6+ BFSI clients**, built with **Java 17, Spring Boot, and React.js**.
- Engineered a **high-throughput financial transaction system** handling 400+ million records in under 5 hours, boosting throughput by **70%** via parallel processing and Spring Batch configurations.
- Developed an **AI-native workflow orchestration platform** inspired by n8n using **Spring AI**, integrating vector stores, embeddings, and OCR pipelines to support **10+ configurable automation workflows** and reduce manual document-processing effort by **80%**.
- Architected a scalable **API orchestration layer** using **Spring Cloud Gateway, Eureka, and Config Server**, strengthening inter-service resiliency and enabling seamless communication across **9+ microservices** with centralized configuration management.
- Implemented security enhancements using **Spring Security** filters, session validation, and RBAC mechanisms, while coordinating cross-functional **VAPT remediation efforts** that closed **22+ security findings** across multiple services.
- Technologies:** Java 17, Spring Boot, Spring Security, Spring Batch, Spring Cloud, Spring AI, ReactJS, Apache Kafka, PostgreSQL, Docker, Kubernetes, Nginx, SonarQube, AWS (EC2, S3, IAM, SNS)

Software Engineer

Rhythmflows Solution Pvt. Ltd.

Mar 2024 – Sep 2024

Pune, Maharashtra

- Architected a **Low-Code API Engine** with Java and Spring Boot to enable secure data transformation and multi-endpoint orchestration across BFSI workflows.
- Optimized large-scale batch processing systems, **increasing I/O efficiency by 75%** through parallelization and resource tuning.
- Containerized microservices using **Docker** and streamlined configuration management on Linux servers, reducing manual deployment effort by **70%** and minimizing release-related issues.
- Standardized build and deployment processes with **Jenkins**, enabling faster and more consistent releases.

- Delivered a cloud-native restaurant billing system using Node.js and Python, enabling real-time synchronization for **100+ users** across multiple restaurant locations.
- Optimized REST APIs and database interactions through **SQL tuning, indexing strategies**, and **Redis caching**, reducing response latency by **40%**.
- Contributed to Moksha, an AI-powered workflow and case-management platform for legal firms, by developing high-performance backend services and intelligent document automation pipelines, reducing task turnaround time by **25%**.
- Structured modular backend components following clean architecture principles and deployed services on Linux servers, improving maintainability and operational stability.
- Participated in code reviews, root-cause analysis, debugging, and performance tuning activities to ensure application reliability, maintainability, and security.
- **Technologies:** Node.js, Express.js, Python, React.js, PostgreSQL, REST APIs, Electron.js, Linux

Product Engineering Intern
Kylas

Jan 2023 – Jun 2023
Pune, Maharashtra

- Built a real-time service monitoring and incident management tool with Java 8 and Spring Boot, improving observability and issue tracking efficiency.
- Developed and maintained **100+ unit and integration test** cases using JUnit and Mockito, improving code quality, reliability, and release confidence..
- Implemented event-driven integrations using AWS SNS and S3, supporting asynchronous processing and system notifications.
- **Technologies:** Java, Spring Boot, ReactJS, Thymeleaf, PostgreSQL, AWS (S3, SNS), Docker, Git, REST APIs

EDUCATION

Bachelor of Technology (B.Tech.) in Computer Engineering

MIT Academy of Engineering, Pune

CGPA: 8.86 / 10

Aug 2019 – Jun 2023

CERTIFICATIONS

NPTEL Cloud Computing - Top 1% nationally

Python for Everybody Specialisation – Coursera

RESEARCH & ACHIEVEMENTS

Published research paper: *“Fake Review Detection using Support Vector Machine (SVM)”* – IJECS Journal, 2022, achieving **80% classification accuracy** for fake-review detection using supervised machine learning techniques. [\[View Publication\]](#)

Open-source contributor with **3 merged contributions** on GitHub.

Web Developer at Mozilla Club MITAOE, a campus tech club with 100+ active members.

ADDITIONAL INFORMATION

Languages: English (Professional), Hindi (Native), Marathi (Native)

Prior Experience: Frontend Web Development Intern at Q Blocks; Python Developer Associate at TEN Labs; Web Development Intern at Samagra Foundation (2020–2023)