

VISHISHT VED

Software Engineer | Java & Spring Boot | Microservices & REST APIs | Python & AWS | AI, ML & NLP (learning)
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PROFESSIONAL SUMMARY

Software Engineer with 2+ years building and running production Java 21 / Spring Boot microservices, REST APIs and third-party integrations at HSBC, for digital banking journeys live in India, Vietnam, Malaysia and the UAE. Strong in low-level design, OOP and design patterns, with end-to-end ownership from requirements and API design to tested code, CI/CD releases and 24/7 production support. Writes Python for AWS Lambda, uses AI coding tools daily, and is building skills in AI/ML, NLP, generative AI and Databricks. Delivered the UAE Global Money Accounts launch, recognized with a Circle of Excellence award.

EXPERIENCE

Software Engineer | HSBC, Accounts Value Stream, Pune, India Jul 2024 – Present

- Develop and maintain Java 21 / Spring Boot microservices and RESTful APIs for customer-facing New-to-Bank and Existing-to-Bank digital onboarding journeys, live across India, Vietnam, Malaysia and the UAE.
- Write Python scripts for AWS Lambda functions that call REST APIs, complementing the team's Java microservices.
- Delivered the UAE Global Money Accounts launch from QA through to go-live, earning a Circle of Excellence award, and led zero-downtime production releases across three countries.
- Did the low-level design and implementation of a reusable Circuit Breaker using an explicit State pattern (OPEN / CLOSED / HALF-OPEN) with configurable thresholds, adopted across services to contain downstream failures.
- Migrated services from Java 8 to Java 21 and Spring Boot 3 to improve maintainability and performance.
- Work with product, business and QA in a Scrum squad to turn requirements into technical designs, API contracts and Confluence documentation, breaking features into JIRA stories.
- Ship services through Jenkins CI/CD pipelines and Docker with Git pull requests and code review; own unit, integration and performance testing; use GitHub Copilot, ChatGPT and Claude to speed up coding and debugging.
- Support live systems on a 24/7 on-call rotation with Splunk and AppDynamics, driving root causes to permanent fixes.
- Traced a production 403 authorization failure on a third-party integration to missing entitlement provisioning and added entitlement verification to the release checklist, preventing recurrence.

Data Analyst Intern | Splisys IT Consultancy, Noida, India May 2023 – Jul 2023

- Cleaned and analyzed SAP portal incident data; built dashboards on incident trends and turnaround times.

PROJECTS

AutoMerge AI – Automated Git Merge-Conflict Resolver Java 21, Spring Boot 3.5, JGit, H2

- In progress: a Spring Boot service that clones repositories via JGit, runs test merges and exposes conflict detection over a REST endpoint (POST /api/git/test-merge); next phases parse conflicts into structured objects for an AI (LLM) resolver.

Task Management API Java, Spring Boot, MySQL

- Designed a modular RESTful CRUD API with a normalized MySQL schema, optimized queries and secure endpoints.

TECHNICAL SKILLS

Languages: Java (21, 17, 8), Python, SQL

Backend: Spring Boot 3, Microservices, RESTful API design, third-party integrations, resiliency patterns (Circuit Breaker)

Design: Low-level design, OOP, design patterns (State, Strategy, Factory), data structures and algorithms, clean code

Databases: MySQL, H2 – schema design, SQL querying and optimization

Cloud & DevOps: AWS Lambda (Python), EC2, RDS; Docker, Kubernetes; Jenkins CI/CD; Git/GitHub; Maven

Monitoring: Splunk, AppDynamics – alerting, production troubleshooting, root-cause analysis

AI-Assisted Development: GitHub Copilot, ChatGPT, Claude – day-to-day coding and debugging

AI, ML & Data (learning): AI/ML fundamentals, NLP, generative AI and LLMs, Databricks

Testing, Tools & Process: Unit, integration and performance testing; Postman, IntelliJ, JIRA, Confluence; Agile (Scrum)

CURRENTLY LEARNING

Self-directed study, not yet applied in a professional role: Machine learning and NLP; generative AI, LLMs and prompt engineering (OpenAI, LangChain, Spring AI); Databricks and Apache Spark; Apache Kafka; PostgreSQL and MongoDB; Microsoft Azure; React and TypeScript.

RECOGNITION & VOLUNTEERING

- **Circle of Excellence** award at HSBC for the UAE Global Money Accounts launch; volunteer in HSBC CSR activities.

EDUCATION & CERTIFICATIONS

Bachelor's Degree | Kalinga Institute of Industrial Technology (KIIT) 2020 – 2024

Certifications: AWS Certified Cloud Practitioner (in progress) | Spring Boot Basics (Udemy) | Postman Student Expert |

Languages: English, Hindi