

KAPIL HADOLTIKAR

Java Backend Developer | Immediate Joiner

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PROFESSIONAL SUMMARY

Performance-driven Java Backend Developer with a PG Diploma from **C-DAC** and a background in complex system engineering. Expert in **Java 25**, **Spring Boot 4**, and **Microservices architecture**. Specialized in building resilient, event-driven fintech systems using **Kafka**, **Docker**, and **Kubernetes**. Strong foundation in Data Structures and Algorithms with a focus on high-concurrency and transaction integrity.

TECHNICAL SKILLS

- **Languages:** Java (21/25), Python, SQL (PostgreSQL/MySQL), JavaScript (ES6+), HTML5/CSS3.
 - **Frameworks & Tools:** Spring Boot 4, Spring Cloud, Hibernate, Spring Security (OAuth2/JWT), Spring Data JPA, JavaFX.
 - **Architecture & Messaging:** Microservices, RESTful APIs, Saga Pattern, Event-Driven Architecture, Apache Kafka, RabbitMQ.
 - **Cloud & DevOps:** Docker, Kubernetes (K8s), Jenkins, GitHub Actions, Maven, Nginx, AWS Basics, Linux.
 - **Databases:** PostgreSQL, MySQL, Redis (Caching), MongoDB, Apache Cassandra.
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SOFTWARE DEVELOPMENT PROJECTS

Universal Payment Interface (UPI) Ecosystem

Distributed Fintech Platform | Java 25, Spring Boot 4.1.0, Kubernetes, Kafka, PostgreSQL

- **Architected** a high-throughput microservices ecosystem using **Java 25**, leveraging **Virtual Threads (Project Loom)** to increase concurrent transaction capacity by **40%** while reducing thread overhead.
- **Implemented Distributed Transactions** via the **Saga Pattern (Orchestration-based)** to maintain ACID compliance across multiple independent bank services, ensuring 100% data consistency.
- **Optimized Data Flow** by integrating **Apache Kafka** for asynchronous ledger auditing and transaction logging, achieving sub-100ms latency for real-time P2P processing.
- **Engineered Resilience** using **Kubernetes HPA (Horizontal Pod Autoscaling)** and Docker, allowing the system to scale automatically to handle peak transaction loads of **10k+ TPS**.
- **Enhanced Security** by implementing **OAuth2/OIDC** with Spring Security and AES-256 encryption for PII data, ensuring fintech-grade compliance.

Accent (System Automation Tool)

Windows Desktop Utility | JavaFX 21, PowerShell Scripting, Maven

- Created a lightweight utility for Windows that automates system-wide theme and accent changes via **PowerShell registry manipulation**.

- Designed a responsive GUI using **JavaFX** and bundled the application into a portable JAR for seamless deployment.
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EDUCATION

Post Graduate Diploma in Advanced Computing (PG-DAC) *Center for Development of Advanced Computing (C-DAC), Hyderabad* | **60%** | Feb 2024

- *Coursework:* Advanced Java, Microservices, Cloud Computing, Database Technologies.

Bachelor of Engineering - Mechanical Engineering *M. S. Bidve Engineering College, Latur* | **77%** | May 2021

- Developed strong analytical problem-solving skills and experience with complex system modeling.
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PERSONAL DETAILS

- **Languages:** English (Proficient), Hindi (Proficient), Marathi (Native).
- **Certifications:** C-DAC Certified Advanced Computing Professional.