DONTHI VENKATA NIVAS

Java Backend Developer

Bengaluru, India | +91 63005 18494 | nivas13304@gmail.com

PROFESSIONAL SUMMARY

Java Backend Developer at **HCLTech** building payment data processing and reporting systems for **United Overseas Bank (UOB)** across **Singapore, Thailand and Malaysia**. Works with **Java, Spring Boot, Spring Batch, Apache Kafka and Oracle SQL** on enterprise banking projects. Has processed **30K-50K transactions per batch file**, cut a critical query's runtime by **80%**, and managed **300 Control-M jobs**. Currently learning system design, distributed systems and event-driven architecture.

TECHNICAL SKILLS

Languages: Java, SQL, Python
Backend & Frontend: Spring Boot, Spring Batch, Spring Security, REST APIs, JPA/Hibernate, JWT, RBAC, React.js
Messaging: Apache Kafka (producers, consumers, partitions, consumer groups), Event-Driven Architecture
Databases: Oracle, PostgreSQL, MySQL, SQL Query Optimization, Indexing, Database Design
Reporting & Ops: JasperReports, Jaspersoft Studio, Control-M, Shell Scripting
Tools: Git, GitHub, Maven, Docker, Postman, Swagger/OpenAPI
System Design: Distributed Systems, Scalability, Caching, Load Balancing, Sharding, Replication
AI/ML: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, OpenCV, YOLO, XGBoost

PROFESSIONAL EXPERIENCE

HCLTech **Jun 2025 - Present**

Java Backend Developer, HCLTech **Dec 2025 - Present**
Client: United Overseas Bank (UOB), Singapore | Project: Payments Data & Reporting (PDR) Bengaluru, India
Workstreams: UOBSend, THCMPT, MYRPP

- **Contributed** to backend enhancements and production fixes for UOB's Payments Data & Reporting platform, handling requirement analysis, Java/Spring Boot development, testing and post-deployment checks for **3 country workstreams** (Singapore, Thailand, Malaysia).
- Built and maintained **Spring Batch** and extract pipelines processing **30K-50K payment transactions per input file** in UAT and NFT, with consistent data delivered to downstream systems.
- Implemented **Apache Kafka** event-driven messaging flows to integrate payment data between upstream and downstream systems so each side could process payments independently.
- Reduced a critical **Oracle SQL** query's execution time from **about 25s to 5s (80% faster)** by analysing its behaviour and rewriting it; also developed SQL for data extraction, transformation and insert/update operations powering reports.
- Designed client-specific **JasperReports** in Jaspersoft Studio, based on business requirements, and worked on the **JasperReports 6 to 7 upgrade**, fixing compatibility issues and retesting existing reports so they kept generating correctly.
- Configured and monitored **about 300 Control-M jobs** for the Thailand workstream across SIT, UAT and NFT (scheduled and cyclic runs), fixing failed and delayed jobs, and wrote **shell scripts** to automate batch execution and downstream hand-offs.
- Fixed **production issues** such as batch failures, data mismatches, report errors and scheduling problems by doing **root-cause analysis** on application logs, database records and batch runs, then deployed and tested the fixes with the development and support teams.

Java Full Stack Developer Trainee, HCLTech **Jun 2025 - Sep 2025**

- Completed structured Java Full Stack training (Java, Spring Boot, Spring Security, REST APIs, JPA/Hibernate, SQL, React) and applied it by building **JWT-secured full-stack applications** backed by relational databases.

PROJECTS

Kafka Payment Processing System | *Java*, *Spring Boot*, *Apache Kafka*, *PostgreSQL*, *Docker*

- Built an **event-driven payment system** using Kafka producers/consumers, topic partitions and consumer groups for parallel processing, persisting transactions in PostgreSQL.
- Prevented duplicate payments with **idempotent processing**; added retry and error handling and published processing results to downstream Kafka topics; containerised the services with Docker.

Employee Management System | *Java*, *Spring Boot*, *Spring Security*, *JWT*, *MySQL*

- Secured REST APIs with **JWT authentication and role-based access control (RBAC)**, and added **audit logging** and **login-attempt tracking** to monitor access activity.

Hospital Management System | *Java*, *Spring Boot*, *React.js*, *MySQL*

- Developed a full-stack app with role-based workflows for **3 user types** (Admin, Doctor, Patient) and REST APIs managing doctors, patients, appointments and prescriptions.

AI-Based Plant Health Monitoring System | *Python*, *YOLOv11*, *OpenCV*, *Scikit-learn*, *XGBoost*

- Combined **YOLOv11** plant detection with NPK sensor data to classify chilli plant health; compared Random Forest, Decision Tree and XGBoost, with **XGBoost scoring 99.1% accuracy**.

EDUCATION

B.Tech, Computer Science and Engineering, GITAM University, Bengaluru **2021 - 2025**
Specialisation: Artificial Intelligence and Data Science | CGPA: 7.91/10