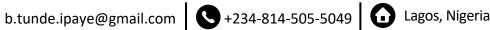
# OLABOWALE BABATUNDE IPAYE

Backend Engineer (Java | Spring Boot | Microservices | SQL | Cloud)







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#### PROFESSIONAL SUMMARY

Backend Engineer with 5+ years of experience specializing in Java backend development, Spring Boot, and microservices architecture. Skilled in designing and optimizing payment systems, APIs, and cloud-native applications with strong expertise in relational databases (MySQL/PostgreSQL), messaging systems (Kafka, Redis), and RPC frameworks (FeignClient, gRPC). Adept at ensuring system stability, scalability, and security while collaborating with cross-functional teams to deliver impactful financial technology solutions.

#### **ACHIEVEMENTS**

- Designed and maintained Java Spring Boot microservices for payment platforms, improving system stability and scalability.
- Integrated Kafka for message streaming and Redis caching, reducing latency and enhancing transaction throughput.
- Built and optimized SQL database schemas and queries, achieving 25–30% faster transaction processing.
- Implemented unit and integration testing workflows (JUnit, Mockito), boosting system reliability and reducing production defects.
- Provided technical support and knowledge transfer to internal teams, ensuring smooth deployment and maintenance.

# TECHNICAL SKILLS

- Languages: Java, Python, SQL, JavaScript (basic)
- Backend Development: Spring Boot, REST APIs, Microservices, OOP, SOLID, Design Patterns
- Frameworks & Tools: Hibernate/JPA, FeignClient, gRPC, FastAPI, Flask
- Databases: MySQL, PostgreSQL, MongoDB
- Messaging & Caching: Kafka, Redis, RabbitMQ
- Cloud & DevOps: AWS, GCP, Docker, Kubernetes, Jenkins, GitHub Actions
- Testing & Tools: JUnit, Mockito, PyTest, Git/GitHub, Postman, Swagger
- Other: Agile/Scrum, Change Management, System Documentation

# TECHNICAL PROJECTS

# Payment Platform Backend (Java + Spring Boot + MySQL + Kafka)

- Developed microservices for transaction processing and settlement.
- Implemented Kafka-based event-driven messaging for real-time processing.
- Used Redis caching to improve response times.
- Applied FeignClient for inter-service communication.

Link to Project: https://github.com/engripaye/platform-payment-backend

## **Library Management System (Java + Spring Boot + MySQL)**

- Developed a Java Spring Boot application to manage books, users, and borrowing records.
- Implemented REST APIs for book search, borrowing, and return functionality.
- Used MySQL database for storing user and book information.
- Applied JPA/Hibernate for ORM and database operations.
- Managed project with Git/GitHub, following version control best practices.

Link to Project: https://github.com/engripaye/library-management-system

### Complete OAuth2 IAM System (Java + Spring Security + JWT + MySQL)

- Built a full Identity and Access Management (IAM) system with OAuth2 and Spring Security.
- Implemented user authentication & authorization with roles (USER, ADMIN).
- Designed JWT-based token issuance and validation for secure API access.
- Integrated with a frontend client for login, role-based access, and session management.
- Used MySQL for user data persistence and Redis for session/token caching.

Link to Project: https://github.com/engripaye/complete-oauth2-iamsystem

# **Employee Management System (Java + Spring Boot + PostGRESQL)**

- Designed and developed a full-stack employee management system to demonstrate enterprisegrade architecture.
- Implemented core features such as employee registration, role management, payroll tracking, and leave management.
- Built REST APIs with Spring Boot for CRUD operations on employee data, integrated with PostgreSQL for persistence.
- Applied Hibernate/JPA for ORM and optimized queries for large-scale data handling.
- Incorporated role-based access control (RBAC) using Spring Security (ADMIN, MANAGER, EMPLOYEE).

Link to Project: https://github.com/engripaye/ems-capstone-project

#### PROFESSIONAL DEVELOPMENT

- Advanced Spring Boot microservices development.
- Exploring payment systems architecture and security compliance.
- Expanding cloud knowledge with AWS & GCP.
- Practicing system performance tuning & database optimization.

### **EDUCATION**

#### Bachelor of Engineering (B.Eng.) Electronic and Computer Engineering

Lagos State University | 2018 – 2024 (Degree requirements completed, certificate pending)

## **STRENGTHS**

- Java & Backend-Focused Engineer → confident in building APIs, microservices, and databasedriven systems.
- Problem-Solver → strong debugging, optimization, and analytical skills.
- Adaptable & Quick Learner → capable of working with new frameworks and tools.
- Collaborative → effective communicator with experience in cross-functional teams.
- **Detail-Oriented** → ensures compliance with regulatory and security standards.
- Scalable Mindset → passionate about building high-performance, reliable financial systems.