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 enterprise-grade 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 database-driven 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.