OLABOWALE BABATUNDE IPAYE

Backend Engineer (Java | Python | SQL | Cloud)

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PROFESSIONAL SUMMARY

Backend Engineer with strong Java, Python, and SQL expertise, skilled in designing and maintaining scalable APIs, microservices, and cloud-native systems. Experienced with object-oriented programming, debugging, and database optimization, with exposure to DevOps practices and cloud environments (AWS/GCP). Passionate about building maintainable, high-quality backend solutions and collaborating in cross-functional teams to deliver impactful products.

ACHIEVEMENTS

- Designed and deployed **REST APIs** using **Spring Boot**, **FastAPI**, and **Flask**, reinforcing backend development and OOP principles.
- Built and containerized microservices with **Docker & Kubernetes**, improving scalability and enabling zero-downtime updates.
- Developed data ingestion and persistence solutions with **MySQL**, **PostgreSQL**, and **MongoDB**, strengthening database fundamentals.
- Implemented unit testing workflows (**JUnit, PyTest**), improving reliability and maintainability of backend projects.
- Collaborated with frontend developers and DevOps engineers, showcasing adaptability, teamwork, and distributed collaboration skills.

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, JavaScript (basic)
- **Backend Development:** REST APIs, OOP, SOLID, Design Patterns
- **Frameworks & Tools:** Spring Boot, FastAPI, Flask, Hibernate/JPA, React (beginner)
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, GitHub Actions, Jenkins, Terraform (beginner)
- **Testing & Tools:** JUnit, PyTest, Git/GitHub, Postman, Swagger
- **Other:** Agile/Scrum, Remote Collaboration Tools (Slack, Trello, Zoom)

TECHNICAL PROJECTS

AI-Powered Content Management Platform (Python + Java backend)

(Python + Java backend)
- Contributed to backend service logic with Python and API integrations.
- Built features for content publishing and user workflows.
- Implemented GitHub version control and collaborative development.

Link to Project: https://github.com/engripaye/ai-powered-content-management-platform

Library Management System (Java + Spring Boot + MySQL)

(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

CI/CD Pipeline with Kubernetes (DevOps + Databases)

- Built GitHub Actions + Jenkins pipeline for automated testing and deployment.
- Deployed containerized apps with Docker & Kubernetes.
- Gained exposure to database persistence in cloud-native environments.

Link to Project: https://github.com/engripaye/ci-cd-k8s-pipeline

Python Sentiment Analysis API (Python + FastAPI + Docker)

- Developed a microservice to classify text sentiment using Hugging Face models.
- Exposed endpoints with FastAPI and tested with Postman.
- Packaged and containerized with Docker for deployment.

Link to Project: https://github.com/engripaye/python-sentiment-analysis-api

PROFESSIONAL DEVELOPMENT

- Practicing **Spring Boot** for scalable Java microservices.
- Building projects with **SQL** and **NoSQL** databases.
- Exploring **AI integrations** with ChatGPT and automation tools (N8n).
- Expanding cloud knowledge with **AWS** and **GCP** services.

EDUCATION

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

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

STRENGTHS

- **Java & Python-Focused Engineer** → confident in building APIs, backend logic, and data pipelines.
- **Problem-Solver** → skilled at breaking down complex tasks into efficient solutions.
- **Adaptable & Quick Learner** → easily adopts new frameworks and tools.
- **Collaborative** → proficient with Git/GitHub and Agile teamwork.
- **Remote-Ready** → disciplined, self-motivated, and experienced in async collaboration.
- **AI-Driven Curiosity** → motivated to integrate AI tools into backend systems.