Orisakwe Nwokocha

Software Engineer

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📍 Lagos, Nigeria

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PROFILE

Passionate and dedicated Software Engineer with a strong foundation in various programming paradigms and practices. Known for effective problem-solving skills, a keen eye for detail, and strong team collaboration abilities. Transitioning from an accounting and management background, bringing a unique perspective and diverse skill set to software development.

TECH STACK

- **Languages**: Java, Python, JavaScript, Go, HTML, CSS
- **Frameworks**: Spring Boot, JHipster, React, Django
- **Tools & Technologies**: Docker, Maven, Git, Microservices, RESTful APIs
- **Databases**: PostgreSQL, MySQL, MongoDB
- **DevOps**: Continuous Integration/Continuous Deployment (CI/CD), Docker, Jenkins
- **Others**: Agile methodologies, Test-Driven Development (TDD), SOLID principles, Clean Code

EDUCATION

Master of Business Administration
University of Chichester
2020 | Chichester, England

OTHM Level 7 Diploma in Strategic Management and Leadership
Metropolitan School of Business & Management
2019 | London, England

PROFESSIONAL EXPERIENCE

Prunny Technologies, Software Engineer
2024 – present | Lagos, Nigeria

- **Developed and optimized scalable software applications** using Java, JHipster, and Spring Boot, achieving significant improvements in API response time.
- **Developed middleware solutions for Apache Fineract**, streamlining financial operations and enhancing system extensibility.
- **Integrated third-party payment APIs**, including Interswitch, Remita, and NIBSS, processing over 10,000 transactions monthly with high reliability.
- **Enhanced system performance** by refactoring code and optimizing database queries, reducing latency and increasing throughput.
- **Boosted code maintainability and readability** through adherence to best coding practices, rigorous code reviews, and documentation.
- **Collaborated with cross-functional teams**, ensuring timely delivery and seamless integration of complex software projects.

Semicolon Africa, Digital Trainee
2023 – 2024 | Lagos, Nigeria

- **Leveraged diverse technologies**, including Java, Python, HTML, CSS, JavaScript, Go, and React, to conceptualize and deliver innovative software applications and web projects.
- **Developed dynamic and responsive websites**, implemented robust backend services, built RESTful APIs, and designed engaging, interactive user interfaces.
- **Executed end-to-end software development lifecycle activities**, encompassing requirements gathering, system design, testing, deployment, and ongoing maintenance.
- **Championed technology-driven solutions**, fostering creativity and efficiency in product development to address real-world challenges.
- **Balanced technical and entrepreneurial responsibilities**, ensuring project success while nurturing business growth and stakeholder satisfaction.

Government Day Secondary School (GDSS), High School Teacher
2016 – 2017 | Kirfi, Nigeria

- Delivered engaging and comprehensive lessons in 9th grade Computer Science and Technology as part of the national youth service scheme.
- Innovated curriculum and developed alternative teaching methods to improve student comprehension and engagement.

PROJECTS

CAPSTONE PROJECT: EaziRent Housing Platform 🔗

- **Collaborated with two engineers** to develop EaziRent, a web-based platform simplifying house-hunting in Lagos.
- **Key Features**:
  - Landlord registration and property listing with images and pricing.
  - User-friendly search functionality for renters to browse properties by area, leave reviews, and provide ratings.
  - Integrated secure payments using a mock Paystack for transactions.
  - Mutual review system fostering trust between renters and landlords.

Accounting
Caritas University
2016 | Enugu, Nigeria

LANGUAGES

English   ● ● ● ● ● ○

SKILLS

Strategic, design & critical thinking and problem solving

Relationship building and networking

CERTIFICATES

- JavaScript Algorithms and Data Structures 🔗
- Responsive Web Design 🔗

- **Tech Stack**:
  - **Backend**: Java Spring Boot, secured by Spring Security (OAuth & JWT), PostgreSQL for production.
  - **Frontend**: ReactJS with Axios for API interactions, styled with DCSS, and optimized for mobile responsiveness.
- **Delivered a fully functional and responsive** platform through cross-functional collaboration, applying Agile methodologies.

Microservices Spring Boot Project 🔗

August 2024

The Microservices Spring Boot project is a comprehensive implementation of microservices architecture using Spring Boot. This project demonstrates the application of best practices in microservices, focusing on scalability, maintainability, and efficient communication between services.

Technologies Used:
- Spring Boot
- Spring Cloud Eureka
- Spring Cloud Gateway
- Docker
- RESTful APIs

E-Commerce Web Application

March 2024 – April 2024
- A RESTful E-commerce web app using Spring Boot and Maven.
- I developed APIs that allow users to add, remove, and update items in their shopping cart. They can also checkout the items in their cart, and view orders made!
- Users can explore a variety of product categories – from clothing and electronics to home decor and more. So from product browsing, to streamlined checkout processes, the app got you covered.

Reactive Microservices Architecture with JHipster

August 2024

This project is a comprehensive implementation of a reactive microservices architecture using the JHipster framework. It demonstrates the application of best practices in reactive microservices, focusing on non-blocking, event-driven communication, scalability, and maintainability.

Technologies Used:
- JHipster Framework
- Spring Boot
- Spring WebFlux
- Spring Cloud Eureka
- Spring Cloud Gateway
- Docker
- Reactive RESTful APIs

Library Management System, Alexandria

March 2024 – April 2024
- A RESTful library management system web app developed with Spring Boot featuring an interactive web interface using HTML and CSS.
- The app offers a robust solution for managing library operations. It provides secure user authentication, comprehensive book and member management, efficient loan processing, and valuable reporting and tracking tools.
- The responsive and user-friendly web interface enhances accessibility and usability, ensuring a seamless experience for all users.