Ozioma Okoroafor

Software Engineer

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TECHNICAL SKILLS

Backend programming
Spring Boot, Django.

Cloud computing
Amazon Web Services, Google Cloud Platform, Jenkins, Terraform. Docker, Netlify, Heroku.

Data Structures and Algorithms
Graphs, Trees, Maps, Lists, Stacks, Queues, Sets.

Databases and SQL
MySQL, PostgreSQL, MongoDB, Redis.

Git version control
GitHub, GitLab, Bit bucket.

Object-Oriented-Programming
Polymorphism, Inheritance, Abstraction, Encapsulation.

Systems Design
UML, ERD, Databases, API testing, documentation with Postman.

Microservices
MVC, MVVT, RabbitMQ, Discovery client configuration.

Test Driven Development
Mockito, JUnit 5, AssertJ for Java; and pytest, unittest for Python.

Containerisation
Docker, Docker Compose.

Templating
Thymeleaf, HTML, CSS

PROFESSIONAL EXPERIENCE

Backend Developer   08-2022 – present | Abuja, Nigeria
Crust Africa
- Made 5+ APIs available for users and admins in the User Service.
- Controlled 2 branches and code versions with Git and GitLab respectively.
- Published 1 documentation for 5 endpoints using Postman documenter.
- Fixed unit tests for existing codebase with 90% average test coverage.

Junior Software Engineer   04-2022 – 06-2022 | Lagos, Nigeria
Auto-x
- Implemented 1 security configuration with OAuth2.
- Maintained codebase to provide 99% percent uptime.
- Enabled persistence in the persistence layer with a PostgreSQL database.
- Collaborated with 2 team members to develop the Auto-finance app in Spring Boot.
- Facilitated the creation of ER and UML Diagrams, increasing production speed by 50%.

Entry-level Software Engineer   06-2021 – 06-2022 | Lagos, Nigeria
Semicolon Africa
- Containerized 1 application using Docker.
- Deployed 2 infrastructures to AWS using Terraform.
- Designed 1 social login and OAuth2 security, improving security to 70%.
- Integrated 2 database types, web pages and 3rd party services to apps.
- Worked in a team of 5, developing applications for clients across various industries.

PROJECTS

PrintApp 🔗
A print pre-order application. Upload image, get print in 3 days.
- Persisted models on an H2 database.
- Ran unit tests using Mockito and AssertJ.
- Developed backend MVC using Spring Boot
- Hosted the application's frontend on NETLIFY.
- Applied FIGMA and Vue.js in designing and implementing the UI.

ShoppingMood 🔗
A shopping application
- Configured security using JWT and OAuth.
- Provided 4+ APIs for the frontend's consumption.
- Persisted the MVC application on 1 MySQL database.
- Constructed 1 ERD and 1 UML Diagram for the virtual shop.
- Incorporated 1 third-party service for file storage - Cloudinary.
- Tested more than 15 methods via Mockito, JUnit and Mock MVC.
- Built Shopping Mood in Spring Boot with a team of 2 members.

Elekere 🔗
- Elekere (Clock in Igbo) is an application developed with Spring boot to display the current time and day of the week.
- Included Thymeleaf template engine to MVC application.
- Wrote simple HTML code to render time APIs.

EDUCATION

Bachelor of Engineering   01-2015 – 01-2020 | Nigeria
Federal University of Agriculture Abeokuta

CERTIFICATES

Professor of the Year (2021)
Semicolon Africa End of the Year Dinner Party

Semicolon Africa
Software Engineering