

Jeremiah O. Okoro

Software Engineer

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Summary

Highly motivated and result oriented Software Engineer and AI enthusiast with extensive experience in software development and geospatial technologies. Adept at collaborating with cross-functional teams to deliver reliable, high-quality software solutions. Known for exceptional communication and leadership skills, with a proven track record of meeting organizational goals efficiently and effectively. Passionate about quality and continuous improvement in all aspects of software engineering.

Tech Stack | Skills | Tools

- **Programming Languages:** Java, Python, JavaScript, SQL, Linux
- **Frameworks:** Spring Boot, Flask, React, Angular, Django
- **Ticket Support:** Jira, FreshDesk, Zoho
- **LLM Models:** ChatGPT, Gemini, Meta AI, Grok
- **Web Technologies:** HTML5, CSS
- **Methodologies:** TDD, BDD, Debugging, Troubleshooting
- **Databases:** MSSQL, MySQL, MongoDB, PostgreSQL, Redis
- **Protocols:** SOAP, REST, HTTP
- **Tools:** Git, Maven, Gradle, Docker, Jenkins, Jira
- **Concepts:** OOP, OOAD, SDLC, Load Balancing
- **Cloud Services:** AWS, Kubernetes
- **Testing:** JUnit, Mockito
- **Other Skills:** Scrum, Communication, Presentation

Work Experience

Rosabon Financial Service (Lagos, Nigeria)

Software Engineer (Hybrid)

Sep 2024 - Till Present

- Collaborate with DevOps, and infrastructure teams to diagnose and resolve application issues, optimizing performance and minimizing system downtime.
- Perform system analysis, monitoring, and performance tuning, implementing best practices for database optimization, API efficiency, and system scalability.
- Investigate and resolve software bugs, incidents, and customer-reported issues, maintaining detailed documentation for future reference and continuous improvement.
- Support application deployment and configuration management, assisting users with installation, version upgrades, and integration of new features.
- Collaborate with software architects and system designers to implement technical designs and requirements ensuring software are tested and efficient.
- Engage in code reviews and team discussions to improve processes, tools and documentations.

Achievement:

- ❖ Developed AI powered chatbot for the company's Knowledge Management System (Rosabon Wiki) by leveraging Google Gemini API, improving user satisfaction and increasing platform engagement by 15%

Revo Energy Africa (Lagos, Nigeria)

Software Engineer (Remote)

July 2023 - Sep 2024

- Designed, Developed, Implemented, and maintained responsive web products for the end users and enhance the front-end technology.
- Identified and resolved software bugs through systematic debugging, ensuring the stability and functionality of the code-base.
- Ensured product quality through code reviews and high-level unit and functional test coverage.
- Collaborated with other engineers to implement technical designs and requirements and ensure software adheres to the company's high-level technical standards.
- Worked with project managers, product designers, developers, quality assurance, and customers to resolve technical issues and document software functionalities.
- Installed and configured software applications and test solutions for effectiveness.

Semicolon Africa (Lagos, Nigeria)

Software Engineer Trainee

(On Site) May 2022 - July 2023

- Collaborated with a team of six Engineers to develop and maintain several scalable, secured, and high performance applications.
- Supported Software Development Life Cycle (SDLC) implementing Agile (scrum) methodologies.
- Assisted in building REST APIs using Java/Spring Boot for data and resource interchange among different units and departments in the company.
- Documented and maintained software functionalities.
- Participated in stand-up meetings and contribute to assigned sprint tasks when developing new project features.

Enugu Electricity Distribution Company Plc. (Enugu, Nigeria)

GIS Analyst (On Site)

July 2019 - April 2022

- Conducted Quality Assurance/Quality Control (QAQC) using ArcGIS and FME, on all geospatial data collected by GIS field enumerators, ensuring its accuracy and seamless integration into the GIS database.
- Developed several static, dynamic and interactive maps using ArcGIS, QGIS and OpenLayers, improving the operational efficiency of field technicians and enabling the identification of revenue growth opportunities.
- Conducted cross-departmental training on GIS applications, improving operational efficiency and fostering a culture of data-driven decision-making.
- Designed custom work-flows to collect, store, and analyze over 1.2 million building footprints and 6 million customer geographical data using tools such as FME, ArcGIS, Python, and SQL.
- Collaborated with field technicians and marketing teams to leverage GIS insights, optimizing customer identification and service delivery.

Achievement:

- ❖ Worked closely with the development team providing GIS support in implementing the “**Kpando App**”, integrating locational intelligence to empower GIS field enumerators, field technicians, and the marketing team in streamlining data collection and analysis thereby enhancing revenue collection process by 25%.

Projects

1. AI - Powered Knowledge Management System:

Developed a Knowledge Management System powered by Google Gemini AI. This project exemplifies my ability to Utilize AI to enhance productivity

- **Tools:** Python, Flask, Gemini, Transformers, JWT, React, PostgreSQL, API Integration, Docker, Git, Linux Server

2. Lost But Found App:

An application designed to connect item owners with their lost items. The app allows users to register found items and search for lost items, providing a streamlined process for reuniting people with their belongings.

- **Tools:** Java, Spring Boot, MongoDB, Maven, Firebase Storage, JWT, Lombok, AWS

3. Logistics Management System:

Built a logistics app for fast and safe delivery of items, accessible via browser.

- **Tools:** Java, Spring Boot, MongoDB, Maven, Spring Security

Education

Henley Business School, Oxford-shire, UK (Associated with Semicolon Africa)

Business Administration and Management

May 2023

Semicolon Africa, Yaba, Lagos, Nigeria

Software Engineering

May 2023

Federal Polytechnic Nekede, Owerri, Nigeria

Higher National Diploma (Equivalent to BSc. in Nigeria)

Surveying and Geo-informatics

Oct 2015 - Oct 2017

Federal Polytechnic Nekede, Owerri, Nigeria

National Diploma

Surveying and Geo-informatics

Oct 2011 - Oct 2013

Certifications

- One Trust - Tech Risk and Compliance Professional
- HP LIFE - Agile Project Management
- LinkedIn Learning - Java Algorithm
- Sololearn - Java Intermediate
- Great Learning - Java Programming
- IBM (Coursera) - Python for Data Science and AI
- IBM (Coursera) - Database and SQL for Data Science