Jeremiah O. Okoro

Software Engineer

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Summary

Highly motivated 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, Batch
- **Frameworks:** Spring Boot, Flask, React, Angular, Django
- **LLM Models:** ChatGPT, Gemini, Meta AI, Grok
- **Web Technologies:** HTML5, CSS
- **Methodologies:** TDD, BDD, Debugging, Troubleshooting
- **Databases:** MS SQL, 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

- Develop and maintain software solutions for core banking, ERP, wealth management, and credit management portals, ensuring alignment with business requirements and system scalability.
- Develop AI powered Organization Knowledge Management System by leveraging Google Gemini API
- Collaborate with cross-functional teams to troubleshoot and resolve application issues, minimizing downtime and enhancing user experience.
- Implement and optimize APIs to enable seamless data exchange and integration between applications.
- Conduct system analysis and performance tuning to ensure robust and efficient operations of all financial platforms.

Achievement:

- ❖ Spearheaded the successful digitization of the company's OKMS by integrating with AI, 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.

Achievement:

- ❖ Optimized web product performance for logistics operations, reducing delivery coordination time by 20% and improving overall efficiency.

Semicolon Africa (Lagos, Nigeria)
Software Engineer Apprenticeship (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%.

Personal Projects

1. Smart Business Assistant:
Developing a **Smart Business Assistant app** powered by **Google Gemini AI** to enhance productivity in professional environments, enabling tailored response about general company information, job role specific queries, real-time meeting transcription, summarization, and actionable insights.
- **Tools:** Python, Flask, JWT, React, PostgreSQL, API Integration, Docker, Git

2. Loan Approval Prediction System:
Developed a predictive model and web app using Python to classify loan applicants in a financial service company.
- **Tools:** Python, Matplotlib, Pandas

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

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