

SOLA AKINBODE

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Summary

Software engineer leveraging experience in designing and managing projects for over 8 years in the energy industry. Possess a master's degree in software engineering at the University of Calgary. Proficient in multiple programming languages and frameworks such as Java, C++, Python, Spring Boot, React, Angular and SQL. Full Stack enthusiast with strong analytical, coding and communication skills seeking challenging software engineering role to contribute to a dynamic and innovative team.

Software Development Experience

ENVERUS

Software Engineering intern

01/2023 – 04/2023, Calgary

Developed a microservice to provide authentication and authorization services to the OpenInvoice application.

- Solution included the use of APIs, JWTs and OAuth.
- Front-End is built with Angular and Typescript.
- Backend is built with Spring Boot and Java.
- Uses third party login partners to implement multifactor authentication, SSO, one-time-password, federation/SAML and machine to machine authentication.

Education and Certifications

Software Engineering, *University of Calgary*

05/2022 - 04/2023

Mechanical Engineering, *University of Agriculture*

05/2005 - 012/2010

Project Management Professional (PMI), *Project Management Institute*

Skills

Backend Development

Java, Python, C++, MVC, Restful APIs, Linux, Data Structures and Algorithms, Spring/Spring Boot, Django, Git/Version Control, Docker, Databases/SQL, Testing/Junit, Postman, Maven, Gradle, AWS (in view).

Frontend Development

Angular, React, HTML, CSS, TypeScript, JavaScript, Selenium.

Machine Learning

Machine Learning, Neural Networks, NLP, PySpark, TensorFlow, PyTorch, Pandas and NumPy.

Project Management

Agile, Scrum, Waterfall, Jira, PMP certified.

Projects

Ticket-reservation-system

Team of 4 | Advanced Software Design and Architecture Project

Designed and implemented a complete full stack program for booking movie tickets. Backend is implemented using Spring Boot and the frontend is done with React.

Student-registration-program

Team of 4 | Graduate Class Project

Designed and implemented a student registration system using React for the frontend and Spring Boot for the backend.

Library for data structures

Team of 2 | Graduate Class Project

Created a library for data structures – linear data structures, tree structures (AVL and Binary Search Trees) and vector-based heaps, using Java.

Sentiment Analysis (Machine Learning program)

Team of 4 | Graduate Class Project

Designed a machine learning model to perform sentiment Analysis for elections in 4 countries using Tweets. The model was able to classify sentiment, and this was used to determine correlation with election wins.

Other Experience (Project Management)

Onyxworld ltd

Project Engineer

Jan 2018 - Sep 2019 (1 year 9 months)

Managed construction and installation projects in Nigeria with a cumulative valuation of over 100 thousand dollars. Led teams of over 10 professionals and technicians to deliver high-impact solar projects for schools and businesses.

Project Manager

Beacon Power Services

May 2015 - Dec 2017 (2 years 8 months)

Managed over 10 energy analysis projects which grew into a portfolio of solar and natural gas power generation projects delivering profitability and cashflow for the business.

Associate Project Engineer

Deltaafrik Engineering Limited

Nigeria Oct 2012 - Dec 2013 (1 year 3 months)

Supported the delivery of Engineering, Procurement, and Construction Management (EPCM) services for the company for Oil and Gas multinationals such as ExxonMobil and Chevron.