Ogherunor Adjekpiyede

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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer with over 7 years of extensive experience in designing and implementing robust web services and APIs. I possess a proven track record of leading engineering teams and support in dynamic environments, consistently delivering high-quality features on schedule and enhancing product performance. My expertise covers machine learning and cloud services, emphasizing AWS expertise, model optimization, and generative AI application engineering. Proficient in a diverse technology stack, including JavaScript, Python, SQL, NoSQL and GIT practices. A versatile generalist with a keen passion for continuous learning and innovation. I thrive in remote work settings, demonstrating strong self-management capabilities, effective communication, and cultural competence. I am dedicated to driving success and fostering innovation within a forward-thinking organization that values continuous improvement and collaborative growth.

EDUCATION

Master of Information Technology | University of Lagos   March 2019 - December 2021

EXPERIENCE

Full-Stack Software Engineer   July 2024 - Present
Self-Initiated Project: Otisearch

- Designed and implemented an application enabling natural language search on PostgreSQL data by synchronizing it with Elasticsearch for optimized retrieval.
- Leveraged multiple LLMs to enhance search capabilities through vector embedding generation.
- Employed efficient ETL pipelines to ensure real-time data sync from Postgres to Elasticsearch.
- Implemented a Retrieval-Augmented Generation (RAG) and hybrid search pipeline, enabling users to perform sophisticated, natural language queries with high accuracy and contextual relevance.
- Conducted research and testing to select an optimal embedding model and language model, improving the accuracy and relevance of search results.
- Developed an intuitive user interface, ensuring ease of use and accessibility for querying records.

Senior Software Engineer/Lead Engineer   July 2020 - March 2024
Elite Software Automation

- Led multiple projects, code reviews, delivering sophisticated software features on time and enhancing product performance by 30%.
- Spearheaded the development of reusable Node packages, boosting backend efficiency and reducing development time by 80%.
- Deployed multiple features across various projects, ensuring timely and efficient delivery.
- Optimized workflows, resulting in a 50% reduction in redundant tasks and improved overall productivity for the team.
- Collaborated with product managers/designers to deliver high-quality features and architectures, resulting in improved product performance and user experience.
- Facilitated sprint planning and team meetings, ensuring clear goals and priorities for the development team.
- Researched business/technical specifications and translated design handovers to technical work for efficient development.
- Implemented coding standards, promoting high-quality code and a culture of technical excellence.
- Worked closely with the QA team to identify and resolve bugs, ensuring timely delivery of high-quality software releases and high system availability.

Software Engineer   August 2019 - June 2020
Britecore

- Developed and integrated APIs, enhancing commission payment processing efficiency.
- Investigated and resolved payment issues, increasing client satisfaction.
- Collaborated with stakeholders to consistently exceed project expectations, leading to a reduction in development time.
- Conducted thorough software testing to ensure high-quality releases.
- Efficiently triaged and documented processes for streamlined operations.

Software Developer   September 2018 - September 2019
Andela

- Led and motivated team to exceed targets, increasing productivity by 35%.
- Developed internal application, saving annually on external services.
- Trained and mentored new developers, achieving an increased retention rate in Bootcamp initiatives.
- Designed user interfaces for wallet and dashboard screens using ReactJS.
- Enhanced frontend application performance through the implementation of multiple APIs.

Web Developer   **February 2018 - September 2018**

Thoughtstudios
- Migrated the codebase from jQuery to Vue.js, improving site performance by 40% and simplifying maintainability.
- Designed and implemented user interfaces that enhanced the overall user experience, leading to a 20% increase in customer engagement.
- Developed and deployed new APIs that expanded e-commerce functionality, resulting in a boost in sales.

Web Developer   **June 2016 - January 2018**

Freelancing
- Developed and launched several client applications, and social networks, including e-commerce sites and multilingual platforms.
- Optimized website performance, reducing load times and successfully integrated payment systems like Stripe and Braintree to streamline transactions.
- Collaborated with clients to define project goals, providing tailored technical solutions that met business needs and fostered strong relationships.
- Implemented responsive design principles to ensure websites are mobile-friendly and accessible across devices.

CERTIFICATION

Generative AI with Large Language Models (Coursera, 2024)

Deep Learning Specialization (Coursera, 2020)

Machine Learning A-Z: Hands-On Python & R In Data Science (Udemy, 2018)

SKILLS

Programming Languages: JavaScript, Python, Typescript, PHP, Ruby, Go

Frameworks: Nodejs, Express, Nestjs, Django, Flask, FastAPI, Ruby on Rails, Laravel

Cloud & DevOps: AWS, GCP, Linux, Docker, Kubernetes, Grafana, Prometheus, Helm Charts, Firebase, Vercel, Cloud Formation

Frontend Technologies: React, Vue, Nextjs, HTML, CSS, SASS, Tailwind, Materialize, Figma

Testing & CI/CD: TDD, QA, Git, Github Actions, CircleCI, Travis, UI Automation, Puppeteer/Selenium,

Databases: PostgreSQL, MySQL, MongoDB, Elasticsearch, Redis, RabbitMQ, Kafka, Firebase, TypeOrm, Sequelize, SQLAlchemy

APIs & Protocols: REST, GraphQL, Apollo, Web Sockets

Machine Learning: Generative AI, OpenAI, LLMs, Scrapy, Pandas, Scikit-learn, Tensorflow, Pytorch, Langchain, LlamaIndex, HuggingFace, Retrieval-Augmented Generation, PEFT, LORA, RHLF, CNNs, VITs

Miscellaneous: Zoho, NocoDB, N8N, New Relic, Payment Systems, OOP, Design Patterns