Malik Diyaolu

Location: Abeokuta, Ogun State, Nigeria

Phone: +2348106629712

Email: malikopeyemi5@gmail.com

LinkedIn: linkedin.com/in/malikdiyaolu

Experiences

CreaCubed USA | AI/ML Engineer

May 2024 – Present (Remote)

- Spearheaded the development of AI-driven solutions, focusing on Generative AI applications and proof-of-concept (PoC) projects.
- Led the architecture and implementation of an AI trading system PoC, optimizing data processing and model efficiency.
- Designed and built a comprehensive bot platform for a legacy project, handling the entire lifecycle from conceptualization to deployment.
- Engineered scalable systems architecture to ensure reliability and performance in AI-driven applications.
- Collaborated with cross-functional teams to refine AI strategies and integrate cutting-edge ML techniques.

Crescent University, Abeokuta | Youth Corps Member (NYSC)

June 2024 – April 2025

- Contributed to the ICTEC team as a software and hardware support engineer, resolving inter-departmental technical issues and supporting mission-critical systems.
- Played a key role in the successful deployment of the Nursing Council exam on two occasions, managing network setup and exam software operations.
- Attached to the CBT center, where I facilitated JAMB registration and student sensitization sessions.
- Gained hands-on exposure to institutional bureaucracy, design tools, and professional presentation practices.

- Led outreach efforts under the Charity CDS group, including educational support for two schools.
- Served as a keynote speaker at a youth-focused career event, addressing over 200 students on post-secondary opportunities.

HabitatHunt | Product ML Engineer

Jan 2024 - Jan 2025

- Led the development of AI-driven solutions to generate property leads from social media, emphasizing data management, speed, and compliance.
- Optimized lead generation using Redis, Next.js, Python, and APIFY for improved accuracy and efficiency.
- Ensured data integrity and compliance with local regulations while handling large volumes of social media data.
- Collaborated with cross-functional teams to design scalable and efficient systems, prioritizing performance and reliability.
- Refined data scraping algorithms to enhance lead quality and relevance.

Pusheat | Machine Learning Software Engineer

Aug 2023 - Nov 2023

- Developed an MVP for a food GPT application using Langchain and FastAPI.
- Designed a Retrieval-Generation (RAG) interface using Llama and GPT-3.5 for optimal user experience.
- Enhanced model efficiency and performance for accurate information retrieval from YouTube video transcripts.
- Conducted research and experimentation to improve model efficiency and streamline data processing pipelines.

Listwise | Full-Stack Software Engineer

Mar 2022 - Nov 2022

- Redesigned website sections for improved user experience.
- Simplified complex technical terminology for stakeholders.
- Contributed to technical design and development tasks for existing platforms, focusing on AI integration.

Numbers NG | Software Engineer / Machine Learning Intern

Feb 2021 - Sep 2021

- Improved front-end optimization for better user interaction with backend APIs.
- Developed RESTful APIs for high-concurrent user handling on AWS.
- Enhanced AI capabilities using Python NLTK library Wordnet for semantic similarity search.
- Redesigned Vendor-Client matching service, achieving an 18% performance increase.
- Implemented RESTful APIs in Django, accelerating analytics reporting by 14%.
- Optimized software for speed and efficiency through testing and performance enhancements.

TechieHealth Pharmacy | Software Engineer

Apr 2021 - Aug 2021

- Developed an Admin dashboard for Pharmacy performance analysis.
- Optimized product management by 60% through a simplified medicine inventory platform.
- Created a software interface for Bluetooth printer communication, streamlining stock-taking and audits by 35%.
- Supported pricing experiments, doubling customer value with AI-driven insights.
- Enhanced software functionality and optimization through rigorous testing and advisory.

Fashy | Co-Founder & Backend Engineer

Aug 2019 - Feb 2021

- Built RESTful APIs to support a mobile application with dynamic data.
- Improved business workflows and user engagement through a messaging and notification service.
- Ensured seamless data distribution across multiple countries.
- Conducted software testing, focusing on bug identification and performance optimization.

MicrobicPro | Full-Stack Developer

Apr 2020 - Jan 2021

- Developed a responsive web application using React.js and Node.js.
- Integrated Twilio for promotional and transactional SMS.
- Managed static file deployment over FTP and documented style guidelines for a consistent design.

- Updated web pages and navigation tools to meet the client's needs and improve usability.

Push Eat | Backend Developer

Aug 2020 - Dec 2020

- Developed over 100 RESTful API endpoints to solve critical business problems.
- Implemented real-time vehicle tracking and notification systems using AWS SQS, AWS SNS, Redis, and Apache Kafka.
- Enhanced the existing codebase, reducing development time by over 50%.
- Collaborated with front-end developers to seamlessly integrate user-facing elements with server-side logic.

Petabyte Esports | Software Engineer Intern

May 2018 - Apr 2019

- Built a customized WordPress website for an interior design company.
- Developed foundational skills in Python, PHP, and JavaScript.
- Presented technical requirements and architectural designs to the CTO.
- Communicated technical requirements and designs to web development clients under the CEO's supervision.

Education

Bachelor of Science (B.Sc) in Computer Science
Federal University of Agriculture, Abeokuta, Nigeria
Graduated: November 2023

Soft Skills

System Architecture · Technical Design · Cross-functional Collaboration · Leadership · Effective Communication · Project Planning · Quality Assurance · Problem Solving

Technical Skills

Programming Languages:
Python, JavaScript, Go, Rust (Basic)

Frameworks & Libraries:
FastAPI, Django, Flask, Node.js, Express, React.js, Vue.js, Svelte, Next.js

Machine Learning & Data:
Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Hugging Face Transformers, TensorFlow, PyTorch, LangChain, LLaMA

Databases & APIs:
PostgreSQL, MySQL, GraphQL, ChromaDB, Pinecone

Infrastructure & DevOps:
Redis, Apache Kafka, AWS, GCP

Languages

English - Conversational

Yoruba -   Intermediate

Chinese - Beginner

References

Mrs. Adams Azeezat Adenike
Lecturer
Crescent University, Abeokuta
Phone: 0803 263 1376

Mrs. Ajayi Khadijat
Librarian II
Crescent University, Abeokuta
Phone: 0803 815 4655

Mr. Ogunyemi Gbolahan Ahmed
Senior Information Technologist
Crescent University, Abeokuta
Phone: 0701 417 4946