Appiedu Bernard

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PROFESSIONAL SUMMARY

Results-driven software and AI engineer with over five years of experience, skilled in Python and php Laravel, problem-solving, and algorithms. Adept at web development, data analysis, and manipulation, with a keen eye on testing and debugging. Proficient in leveraging artificial intelligence/machine learning and ensuring robust network security. Passionate about research and continuously seeking innovative solutions. An excellent communicator with exceptional interpersonal skills, fostering seamless collaboration to deliver top-notch software solutions.

WORK EXPERIENCE

Nerasol Ghana Limited   **Nov 2023-Feb2026**
Backend Engineer   Accra, Ghana
(On-site)
- ❖ Integrated AI functionalities into existing backend systems and applications.
- ❖ Developed web applications.
- ❖ Developed microservices applications for most projects.
- ❖ Deployed projects and managed AWS VPS servers.

Positivo Electronics Ltd. (National Digital Literacy Project)   **July 2024-Aug 2024**
IT Consultant   Accra, Ghana
(On-site)
- ❖ Trained a team of trainers in IOT and Arduino programming.
- ❖ Monitored training at various regions across Ghana.
- ❖ Provided learning materials for the training team.

Origgin Ltd.   **October 2022-Nov 2024**
AI Engineer   Accra, Ghana
(Remote)
- Developed an NLP based voice assistant.
- Developed audio transcribing and text-to-speech features.
- Managed AlmaLinux VPS for Voice assistant backend.

Council for Scientific and Industrial Research (CSIR-Head Office)   **Oct 2022-Dec 2022**
IT Officer   Accra, Ghana
 (On-site)

- Provided technical assistance and support to end-users for hardware, software, and network-related issues.
- Installed, configured, and maintained various software applications, ensuring compatibility and optimal performance.
- Developed a web application using a Content Management System (CMS).

EDUCATION

- BSc. Information Technology, University of Ghana.
- Msc. Computer Science, University of Ghana.

PROJECTS

- Web applications for small and medium-sized enterprises (SMEs).
- Chatbot: an AI-powered (LangChain LLM) bots that interacts with user data.
- AiVA: an AI agent that performs receptionist duties with advanced intelligence.
- Machine learning: predictive modelling on several datasets using respective learners.
- NLP: Created agents using Chroma, Langchain, and OpenAI.
- LLM: Customising open source Large Language Models (LLMs)
- Origgin app(Playstore & App Store) : Built voice assistant feature for paying electricity bills.
- Boafo app (Playstore & App Store): Built backend for on-demand auto repair service app

SKILLS

• PHP (Laravel) • Python (Django) • Linux Administration • System Administration • Arduino Programming • HTML • CSS • JavaScript • Docker

LANGUAGES

• English • Introductory French • Twi • Ga • Introductory Germany

REFERENCES

Available upon request