ADEMOLA EMMANUEL

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SUMMARY

Dedicated Software Engineer with a strong foundation in developing and deploying software solutions. Proficient in a diverse range of programming languages and technologies, I excel at tackling complex technical challenges. A collaborative team member with a keen eye for user needs, I deliver scalable solutions that drive results. Committed to lifelong learning and staying updated with emerging technologies to deliver innovative solutions.

PROFILE

I am a software engineer currently employed as a Coding & Robotics Engineer at Edupoint Limited. My role involves not only designing and developing schematics for robotic prototypes but also training and mentoring students in partner schools. In 2023, I led a robotics team in Lagos to a notable achievement, securing first-place victory in a national competition (Robocode Fest). Building on this success, I continued to train the team for international competitions (VEX, PARC). Another team I led secured first place at a STEM fair in 2024.

My expertise extends beyond robotics to include server administration and software deployment. I can use web and application servers like Nginx to deploy and host applications. I can optimize system performance through load balancing. Additionally, I possess web development skills using the Flask Python framework and can collaborate effectively with UI/UX designers. I have developed and co-developed several web and CLI solutions [including: custom_commands (automation scripts), CurrencyMate (currency converter), iMedCare (telehealth service) and others].

SKILLS HIGHLIGHTS

- Python, JavaScript (ES6), C, SQL, HTML5 and CSS
- Flask (Web Framework)
- Flask (REST framework)
- Web and Application Server
- Simple database development (MySQL)
- Basic Data Structures and Algorithms
- Proficient using Linux CLIs
- Automation Scripting (Python, bash)
- Editors such as Vscode and Vim
- Troubleshooting and Debugging
- Git and GitHub
- API and JSON files
- Prototyping with Arduino
- Microsoft office packages
- Fine attention to detail
- Result driven
- Strong listening skill
- Service-focused
- Strong decision maker

WORK EXPERIENCE

- **ALX Africa (Virtual)**   May 2023 – Present
  Software Engineer (Freelance)
  - Proficiency in the use of tools (Haproxy, NGINX, puppet) in the management and deployment of web servers.
  - Embraced a collaborative approach to software development, actively contributing to diverse projects like printf, simple shell, monty and an AirBnB clone.
  - Proficiency in modern programming languages, frameworks and tools through extensive hands-on coding experience.

- **EduPoint Limited**   April 2022 – Present
  Robotics Engineer / Technical Instructor
  - Designed and developed schematics and robotic prototypes, ensuring optimal functionality and performance.
  - Utilized CAD software for schematic design and collaborated with the technical team to address any design-related challenges.
  - Testing Arduino based robotic systems and troubleshooting defects in the robot design.
  - Actively engaged in the maintenance of computer systems, providing technical support to students and faculty members.
  - Conducted in-depth research in various robotics fields to keep abreast of advancements in robotics and integrating cutting-edge technologies into instructional sessions.

- **UNITeS Cisco Networking Academy**   Oct. 2020 – Nov. 2021
  Network Engineer (Intern)
  - Maintained, implemented and troubleshooted networks, demonstrating proficiency in network configuration and troubleshooting methodologies.
  - Collaborated with academy advisors and actively participated in professional development opportunities to enhance technical expertise and instructional skills.
  - Provided comprehensive technical support to team members, addressing inquiries related to networking, hardware troubleshooting and programming.

EDUCATION

- **University of Benin**   2016 – 2021
  BSc. (Ed.) Computer Science

- **Ikotun Senior Grammar School**   2012 – 2015
  O' Levels

PROFESSIONAL CERTIFICATE

✓ Software Engineering (in-view)	ALX (Cohort 20)
✓ Python	Cisco, Sololearn, TechQuest
✓ Networking	Cisco
✓ HTML & CSS	Sololearn
✓ IT Essentials	Cisco
✓ Introduction to CyberSecurity	Cisco
✓ Introduction to Internet of Things (IoT)	Cisco

REFERENCE

Available upon request