Nnamdi Kelvin Ikenna-Obi

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EDUCATION

Auburn University   **Auburn, AL**
Bachelor of Science in Computer Science   December 2023

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, PHP, Java, HTML, CSS, C/C++, C#, R, Ruby, Bash, Groovy
Tools/Frameworks: React.js, Node.js, Express, Git & GitHub, Java Swing, REST API's, AWS Cloud, Docker, Kubernetes, ServiceNow, Microservices, Azure Cloud, Linux OS, X Code
Databases: MySQL, PostgreSQL, SQLite, Firebase
Networking: TCP/IP, UDP, DNS, DHCP, Socket API's

EXPERIENCE

Software Engineer Intern – One Community Global   **January 2024 – Present**
- Reviewed and approved GitHub pull requests, contributing to the seamless integration of high-quality code.
- Contributed towards the development of the HGN application, leveraging JavaScript and React JS to implement key features and enhancements.
- Collaborated with team members to address technical challenges and optimize performance.

Research Software Engineer – Auburn Program Understanding Lab   **May 2023 – December 2023**
- Contributed to the development of Oxide, a binary analysis framework for performing analysis of executable code, by developing new plugins and modules using Python, expanding its functionality.
- Strengthened system reliability with comprehensive Python unit tests for previously untested modules.
- Improved oxides documentation for better user guidance.

Learning Consultant (IT) – Auburn University Biggio Center   **June 2022 – December 2023**
- Provided support to faculty and students using classroom technologies including PC's, Doc Cams, etc.
- Demonstrated exceptional problem-solving skills and meticulous attention to detail in resolving IT issues.
- Efficiently managed IT problem tickets in ServiceNow, ensuring updates reflected based on problem status.

PROJECTS

Nnamdixobi.com – React.js | JavaScript | HTML | CSS
- Developed a dynamic personal portfolio website with React.js, emphasizing modern UI/UX principles, cross-device compatibility, and enhanced user engagement.

Online Shopping System – Java | Java Swing | SQL | RESTful API | Microservices
- Created an online shopping system in Java featuring user authentication, role-based access control, SQLite data storage, and integrated RESTful web server and Java microservices for core functionalities.

File Transfer Protocol (FTP) Service – C++ | Socket API | UDP
- Implemented an FTP service over the UDP transport service in C++, executed on a Linux system, ensuring reliable data transfer and segmentation for efficient client-server communication.

LEADERSHIP & INVOLVEMENT

President - Auburn University Web Development Club
- Curated and organized web development content and projects for weekly meetings, engaging over 20 members through interactive presentations, hands-on learning activities, and fostering collaborative initiatives.

Secretary - Association of Computing Machinery Auburn University
- Facilitated organizational operations by sending out weekly email updates to over 100 members, contributing to outreach initiatives, and assisting in the strategic planning and execution of events.