Ibukunoluwa Sanni

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EDUCATION

• **University of Waterloo, Waterloo, Ontario** — *Jan 2023 - May 2024*

Masters, Electrical and Computer Engineering | Specialization in Artificial Intelligence/Machine Learning

• **Villanova University, Villanova, Pennsylvania** — *Aug 2015 - May 2019*

Bachelor of Science, Electrical Engineering | Minor in Mathematics | Magna Cum Laude

SKILLS

• **Languages:** Python, C, Java, C++, C# Kotlin, HTML, CSS, JavaScript, Lua

• **Technologies:** Django, Node.js, Springboot, React, AWS, Docker, OOP, microservices, CI/CD, REST APIs, MySQL, MongoDB, OOP.

EXPERIENCE

• **Guilder** — *May 2024 - Present*

Software Developer — Ontario, Canada

- Developed a platform to connect photographers with clients, ensuring scalability for future users.
- Mentored interns, enhancing their technical skills and contributing to the project's development.
- Utilized **Docker, Apache, and MySQL** to create a robust infrastructure with **99.9%** uptime potential.
- Set up a mailing list system using MySQL and Django to handle **10,000+** subscribers.

• **Black Founders Network** — *Jun 2024 - Present*

Software Developer — Ontario, Canada

- Developed a robust backend using Django for a **Speech-to-Text** Android application, integrating **natural language processing models**.
- Automated data pipeline, resulting in a **30%** reduction in manual pre-processing time.
- **Pre-processed** over **700,000 sentence samples** of yoruba data, improving the model's accuracy by **10%** and reducing by **10%**.

• **Qucoon** — *May 2021 - Dec 2022*

Software Engineer — Lagos, Nigeria

- Developed RESTful APIs and backend services using **Spring Boot and Kotlin**, handling over **100,000 transactions** monthly.
- Utilized **Spring Security and OAuth** for robust user authentication, safeguarding sensitive financial data
- Collaborated with business teams to define **tier-based** logic, reducing fraudulent behaviors by **5%**.
- Mentored junior engineers, ensuring adherence to best practices and efficient development processes.
- Conducted system testing using **Junit**, to ensure high availability and performance.

• **Qucoon** — *Feb 2021 - May 2021*

Software Engineer Intern

- Developed a **laptop registration application** for company staff, enhancing operational efficiency by **15%**.
- Automated repetitive software development processes using **VBA in Excel**, reducing development time by **5%**.

PROJECTS

• **E-commerce Website**

Tools: Django, React, MySQL

- Designed and developed a full-stack E-commerce platform using Django for the backend and React for the frontend.
- Implemented a dynamic product listing page, user authentication, shopping cart, and order management system.

• **Laptop Registration System**

Tools: Django, React, PostgreSQL

- Developed a secure web-based system for registering and tracking laptops, ensuring proper asset management within an organization.
- Used React for a dynamic front-end and Django for the backend, enhancing security and usability.
- Implemented Git for version control and collaborated with a cross-functional team using Agile methodologies.