Osiregbemhe Obomighie

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Education

Warwick University	BEng Electrical and Electronic Engineering
Predicted Grade: First Class (1st)	*10/2021 – 06/2025*

Relevant Courses: Computer Architecture and Systems, Machine Learning and Intelligent Systems, Advanced Software Engineering

Technical Skills

Languages: Python, TypeScript, Golang, C/C++, Java, MATLAB, C#, Dart,
Technologies: Git, React, Docker, AWS, Flask, GCP, Apache Spark, PostgreSQL, MySQL

Work Experience

Incoming Software Engineer Intern	06/2024 - 09/2024
Morgan Stanley	*London, UK*

Software Engineer	12/2023 - 06/2024
*Fliproom	Typescript, ExpressJs, Angular, GCP, Docker*	*London, UK*

- Researched and evaluated alternatives to the Algolia search engine, leading to selecting and successfully implementing Typesense for enhanced search capabilities and improved performance in our software applications.
- Redesigned table downloading process from frontend to backend using **GCP** functions, improving stability and preventing crashes in Angular-based web applications.

Software Engineer Intern	07/2023 - 06/2024
*Hewlett Packard	Typescript, Golang, Python, React, AWS, Apache Spark, Docker*	*Bristol, UK*

- Developed update announcement feature using **Golang** and **React,** achieving **80%** test coverage; deployed on **AWS EKS** to enhance user engagement and feature discovery.
- Integrated **AWS S3** for efficient image and video storage, resulting in a **20%** increase in service usage and improved application performance, enhancing user experience.
- Engineered a **PySpark** solution for dynamic data ingestion, leveraging JSON schema loading from a dedicated **S3 bucket** to efficiently manage and execute multiple concurrent streaming jobs

Software Engineer Intern	03/2023 - 04/2023
*JP Morgan	Python, Java, Spring boot*	*London, UK*

- Gained hands-on experience with Test-Driven Development (TDD) by engineering reliable **Spring Boot** API routes for a caching application, bolstering system stability with **JUnit** testing
- Collaboratively engaged in pair programming with a senior engineer to develop comprehensive **unit tests** in **Python** and conduct **reactive testing**, enhancing the reliability and robustness of JP Morgan's Athena trading system.
- Developed a **Flask REST API** and **SQLite** database to store course information and interface with **OpenAI**, resulting in the creation of educational events that expanded local educational resources for primary school kids

Software Engineer	10/2022 - 06/2023
*Butterfly Technologies Ltd	Dart, Flutter, Firebase, GCP*	*Coventry, UK*

- Steered design and execution of a social media app, boosting user experience with features like group chats and event alerts, achieving **2,000+** downloads within months of launch
- Improved the mentions and polls functionalities, directly fueling a **15%** surge in active user engagement and enhancing the overall app experience.
- Leveraged **Google Cloud Functions** to craft a friend-finding feature based on course interests, catalyzing the app's adoption across five additional universities

Projects

Personal Portfolio	*NextJs, Typescript*	09/2021 - Present

- My portfolio showcases a curated collection of my software engineering projects, offering an in-depth view of my past experiences and skills. It highlights projects I've developed and hackathons I've participated in.

YouTube to MP3 Video Converter	*Python, Flask, Docker, Kubernetes, RabbitMQ, MySQL*	01/2024 - Present

- Created a versatile platform designed for efficiently downloading sermons from YouTube, enabling convenient offline listening. This multi-service solution was tailored to accommodate bulk downloads, ensuring easy access to inspirational content at any time.

Halo Pharmacy	*Typescript, NextJs, AWS*	09/2023

- Designed a temporary website for facilitating customer nominations during a nearby Boots pharmacy closure. This solution enabled a seamless transfer of prescriptions to my father's pharmacy, significantly contributing to a **50%** increase in nominations

Responsibilities

ECL Mentor	10/2022 - present
Crimson Education Tutor	*Remote, UK*

- Collaborated with students to harness their creativity and problem-solving skills in developing impactful CS projects, utilizing a comprehensive understanding of current technologies and industry trends

Interests

- **Basketball** - Member of Bracknell Cobra D3 National team and Warwick University Basketball team
- **Reading** - Avid reader, mainly enjoys books about software engineering, psychology and Christianity. Currently reading 'Algorithms to Live by'