FAROUQ OGUNTOYE

https://github.com/Herr-Professor

EXPERIENCE

Ultra Cloud Technologies Remote
Backend Developer Aug. 2021 - June 2022

- Developed and maintained RESTful APIs using Flask, handling over 1000 daily requests for a user authentication service
- Implemented database migrations and optimized SQL queries, reducing average query time by 30% for a customer management system
- Collaborated with the DevOps team to containerize backend services using Docker, improving deployment efficiency and scalability

Lifestores Pharmacy Lagos, NG
Systems Engineer Sept. 2022 - Aug. 2024

- Designed and implemented a real-time order processing system for the pharmacy's e-commerce platform using C++, which handled over 500 orders per hour with sub-second response times.
- Developed a custom memory management library in C++ to optimize performance and reduce memory usage for the order processing system, improving throughput by 25%.
- Wrote a high-performance logging and telemetry framework in C++ to monitor the health and performance of the pharmacy's critical backend systems, allowing for faster issue detection and resolution.

PROJECTS

Data Visualizer Dashboard (Python, JavaScript, Flask, Pandas, Plotly)

- - Developed a Flask-based web application to visualize data
- - Utilized Pandas for efficient data processing of large datasets
- - Implemented interactive visualizations using Plotly to display outcomes and performance metrics

Pharmaceutical Research Data Pipeline (Python, SQLite, API)

- Engineered an automated data pipeline to collect and analyze clinical trial data from ClinicalTrials.gov
- Implemented data scraping, processing, and storage using Python, Pandas, and SQLite
- Developed interactive user input for customized searches and comprehensive reporting on trial statistics
- Created data visualizations to represent trial distributions by phase and condition

Market Data Pipeline (C++, Python)

- Simulator that models trading hardware behavior and network conditions.
- Hardware modeling
- Network simulation
- Python control interface
- C++ core engine

Custom Memory Allocator (C++)

- A high-performance, thread-safe memory allocator implementation with multiple allocation strategies and STL container support.

SKILLS

C++, Python, JavaScript, Web Dev, Flask, PostgreSQL, Pandas, Scikit-learn, RESTful APIs, Machine Learning, Data Visualization, Git, Docker

EDUCATION

Federal Polytechnic , Ado Ekiti — Ekiti, Nigeria
Diploma, Mechanical Engineering — June, 2019

Obafemi Awolowo University, Ile-Ife — Osun, Nigeria
Bachelor of Science, Applied Geophysics — July 2024