Oluwasola Godswill Kola-sokoya

DSS estate opposite polat supermarket, elufisayo avenue, iletuntun nihort ibadan Nigeria | +234 7036933994 |
oluwasolakola@gmail.com | github | linkedin

Summary

Results-driven software developer with robust expertise in Python, database management, and algorithmic trading. Proven track record in designing and implementing complex projects—from a comprehensive student database management system to a fully automated foreign exchange trading bot integrated with MetaTrader 5. Adept at leveraging SQL for efficient data handling and Python for real-time analytics and automation, I excel at creating innovative solutions that optimize performance and mitigate risk. With strong analytical skills and a keen eye for detail, I thrive in dynamic environments and am passionate about driving technology-forward initiatives in the financial and data management sectors.

Education

Lead City University   Sept 2021 - Dec 2024
Computer Science   Full time

APTECH   Mar 2023 - Oct 2023
Web Development   Full Time
Credit 60%>

Projects

Student Database Management System

Technologies: Python, SQL

- **Developed a comprehensive database management system** for student records, utilizing Python for application logic and SQL for data storage and retrieval.
- **Designed and implemented** features including data entry, querying, updating, and deletion, ensuring efficient management of student information.
- **Utilized SQL queries** to handle complex data operations, such as filtering, joining, and sorting records, thereby streamlining administrative tasks.
- **Integrated error handling and validation mechanisms** in Python to improve data integrity and user experience.
- **Demonstrated strong problem-solving skills** by designing a system architecture that scales with increased data volume and user demand.
- **Documented the development process** and created user-friendly instructions, facilitating ease of use and future maintenance.

Foreign Exchange Trading Bot

Technologies: Python, MetaTrader 5 (MT5) API Integration

- **Designed and Developed:** Engineered a fully automated trading bot for the foreign exchange market using Python, integrating directly with the MetaTrader 5 platform.
- **Algorithm Implementation:** Programmed algorithmic trading strategies that analyzed real-time market data to identify trading opportunities based on technical indicators and pre-defined criteria.
- **Data Processing & Analysis:** Implemented robust data retrieval and processing mechanisms to handle live price feeds and execute trades in a timely manner.
- **Risk Management:** Incorporated risk assessment modules and stop-loss/take-profit mechanisms to manage exposure and optimize trading performance.
- **Testing & Optimization:** Conducted extensive backtesting using historical data to refine strategies, ensuring the system's reliability and efficiency under different market conditions.
- **Documentation & Maintenance:** Documented system architecture and codebase thoroughly, facilitating future enhancements and maintenance.

Skills

Frontend Development

● ● ● ● ○

Figma, Html, Css, Bootstrap, Javascript, React

Backend Development

● ● ● ● ○

Python, Node.js, Postgresql, docker, Mysql

Others

● ● ● ● ●

Customer relationship, Emotional intelligence, Effective mutitasking, Team player, MS Office Suite, Google Workspace, Notion, Slack, Teamwork, Time Management, Effective Multitasking, Emotional Intelligence.

Certifications

HTML5 with Responsive Web Design   January-2024
Aptech Ltd

ReactJS   July 2024
New Horizons

Customer relationship management   May 2024
institute of personality development and customer relationship management IPD-CRM EC Council
Customer Relationship Management