OSMAN SHAW

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SUMMARY

Dedicated Full-Stack Developer with years of experience building scalable web applications. Proficient in JavaScript, React, Nodejs, Express, MySQL, MongoDB, and RESTful APIs, with hands-on expertise in tools like Git, Axure, Tableau, and Excel for prototyping, data analysis, and visualization. Skilled in delivering user-focused platforms, optimizing workflows, and driving project success through Agile methodologies.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, PHP
Frontend: React, Tailwind, MUI Axure (Prototyping/Wireframing) etc.
Backend: Node.js, Express, MySQL, MongoDB, RESTful APIs.
Version Control: Git
Data & Analytics: Excel, Tableau (Data Visualization)
Others: Forex and stock Trading

PROFESSIONAL EXPERIENCE

- **Full-Stack Developer (personal project)**
- Self-Employed/Collaborative Ventures │ Accra, Ghana │ January 2023 – Present
- **Designed and developed a data-selling web and mobile application** using React, React Native, Node.js, and MongoDB, enabling users to purchase data bundles from providers like MTN, and Telecel.
- **Implemented schemas for customers, networks, payments, and roles to manage user data, transactions, and access control,** improving operational efficiency by 30%.
- **Integrated third-party payment APIs** and telecom provider APIs for seamless bundle delivery and transaction processing.
- **Developed a pharmacy management system** with real-time inventory management, prescription process, Dispensing Records, user access control, patient portal, Reporting and Analytics.
- **Utilized MongoDB for scalable data storage and Express.js for** secure API endpoints, reducing stock discrepancies by 25%.
- **I started developing a courier service application**, implementing features like order tracking and payment processing using React and Node.js.

Forex & Stock Trading Dashboard │ React, TypeScript, Node.js, Express, RESTful APIs, Tableau │ 2023 – Present
- Engineered a real-time trading platform with React and TypeScript, featuring live forex/stock data visualization and user portfolio tracking.
- Built secure RESTful APIs with Express and Node.js to integrate external financial data sources, achieving 100ms response times.
- Created Tableau dashboards to visualize trading trends, helping users make informed decisions with 90% accuracy in trend predictions.

Developing an e-commerce app for Sierra Leone, enabling consumers to find products with ease and comfort, targeting local market needs for 10,000+ potential users.

NGO WordPress System │ WordPress, PHP, JavaScript, RESTful APIs, Git │ 2024 – 2025
- Built a custom WordPress platform for an NGO, featuring donation tracking, event scheduling, and volunteer management modules.
- Developed and customized plugins with PHP to integrate payment gateways and automate email notifications, improving operational efficiency by 30%.
- Ensured version control with Git, enabling smooth collaboration with a remote teammate.

EDUCATION

Bachelor's Degree in Computer Science
 Graduated from University of Greenwich UK, 27th February, 2025
- Relevant Coursework: Web Development, Databases, Software Engineering, Human Computer interaction and Design.

Certifications
NCC Education Higher Diploma In Computing with Business Management from IPMC College of Technology Ghana 18th January 2023.

NCC Education Diploma In Computing in Business Information Technology from IPMC College of Technology Ghana 18th January 2022.