

OKOSUN J. EHIMARE

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PROFESSIONAL SUMMARY

Versatile Software Developer with a background in engineering, specialized in building responsive web applications and performance-driven tools. Proficient in React, TypeScript and Supabase with a strong foundation in algorithmic logic and real-time data management.

EDUCATION

2021-2026 **University of Benin** Benin City, Edo State
Bachelor of Engineering in Electrical and Electronics Engineering
• Society of Electrical Engineering students (Member)

EXPERIENCE

2024-2025 **VAAV INNOVATIVE SOLUTIONS** Ibadan, Oyo State
Software/Hardware Integration Intern
• Developed backend logic for automated systems using C, ensuring efficient memory management and low-latency response times for real-time hardware operations.
• Collaborated on the design of user-facing control interfaces, ensuring seamless communication between software layers and physical hardware components.
• Utilized Git for version control and Linux environments for system-level debugging, troubleshooting complex performance bottlenecks during the prototyping phase.
• Conducted rigorous testing of embedded software modules, identifying and resolving bugs to ensure 99.9% hardware reliability before deployment.

2019-2020 **DON BOSCO SCIENCE ACADEMY** Ekpoma, Edo State
Teaching Intern
• Planned, prepared, and presented Mathematics lessons, translating complex technical concepts into digestible learning modules.
• Managed technical organization of school laboratories and prepared specialized equipment for practical experiments.

PROJECTS

- **Q-Line (React, TypeScript, Supabase, Clerk):** Developed a real-time queue management system that virtualizes physical lines. Implemented live synchronization using Supabase Realtime to update customer positions instantly and integrated Clerk for secure multi-role authentication between vendors and users.
- **WEATHER API INTEGRATION (React, Typescript, Fetch API):** Created a responsive weather application using a free API to fetch and display real-time meteorological data based on user-searched locations.
- **SKATE SHOP WEBSITE (React, Typescript):** Designed and implemented an e-commerce frontend prototype using React and CSS, focusing on responsive layout, state management, and user experience.
- **EXPENSE TRACKER (React, Typescript):** Built a personal finance management tool using React to help users track and categorize expenditures with real-time data persistence.

KEY SKILLS

- Frontend Development: React, JavaScript (ES6+), TypeScript, HTML5, CSS3/Tailwind.
- Backend Development: Flask (Python), Supabase (PostgreSQL), SQLite.
- DevOps & Tools: Git/GitHub, Linux CLI, Debugging.
- Technical Projects: Expense Trackers, Weather API Integration, E-commerce (Skate Shop) logic.