JOSHUA WILLIE

Software Engineer / Full Stack Developer [Portfolio URL] | [GitHub URL] | [LinkedIn URL] | joshblazerwillie@gmail.com

PROFESSIONAL SUMMARY Systems-driven Full Stack Developer with a strong computer science foundation and experience building scalable, user-centered web applications and platform-level products. Proven ability to design end-to-end architectures, translate complex requirements into clean implementations, and contribute effectively within professional engineering teams. Comfortable working across multiple programming paradigms, with growing experience in systems-level and backend-oriented development. Combines solid engineering fundamentals with product thinking and clear technical communication.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Python, Rust, Java, SQL, Bash, HTML5, CSS3.
- **Frontend:** React, Next.js, Component-Based Architecture, Responsive Design, UI/UX Systems, Accessibility Fundamentals.
- **Backend & APIs:** Node.js, RESTful API Design, Authentication (Auth0/JWT), CRUD Systems, MVC Architecture.
- **Databases:** PostgreSQL, MySQL, Relational Data Modeling, Query Optimization.
- **Systems Foundations:** Rust (Ownership/Memory Safety), Java (OOP/Concurrency), Computer Architecture, Algorithms & Data Structures.
- **Tools:** Git & GitHub, VS Code, Linux/WSL, Figma (Dev Mode), Docker basics.

PROFESSIONAL EXPERIENCE

NOVATECH SOLUTIONS LTD. | *Software Engineer Intern Jun 2024 – Sep 2024*

- **Engineered** internal and client-facing web applications using modern JavaScript and component-based frontend architectures, improving UI consistency across products.
- **Built** robust backend endpoints and designed database schemas to support secure authentication workflows.
- **Optimized** application performance through rigorous debugging and code refactoring, reducing load times for key dashboards.
- **Collaborated** closely with senior engineers in an Agile environment to deliver features on tight deadlines.

VERTEX DIGITAL SYSTEMS | *Junior Software Developer Oct 2023 – May 2024*

- **Developed** and maintained responsive web platforms for diverse small-to-mid-sized clients, ensuring cross-browser compatibility.
- **Translated** high-fidelity Figma mockups into pixel-perfect, reusable frontend components.
- **Integrated** RESTful APIs and database-backed features to enable dynamic content management.

- **Refactored** legacy JavaScript and Java-based backend services, significantly improving code maintainability and documentation standards.

INDEPENDENT SOFTWARE ENGINEER | *Freelance / Product-Focused Work Jan 2023 – Present*

- **Role Description:** Acted as primary architect and developer for full-stack initiatives, owning system design, feature definition, and technical implementation.
- **Key Achievement: CampusCargo — Logistics Platform**
- **The Problem:** Student logistics during academic breaks were fragmented and insecure, leading to trust issues and inefficiencies.
- **The Solution:** Designed a modular logistics platform featuring booking-based transport, tiered storage options, and QR-code payment integration.
- **The Result:** Delivered a production-ready system blueprint and feasibility study, demonstrating strong capacity for platform-level thinking and constraint-aware design.

System Design & Engineering Contributions:

- **Architected** secure authentication flows and role-based access control (RBAC) for multi-page web applications.
- **Decomposed** complex product requirements into isolated, maintainable micro-components and data models.
- **Prototyped** high-performance backend logic using **Rust** and **Java** to ensure type safety and system stability.

SELECTED PROJECTS

UNIVERSITY WEB PLATFORM *Live Demo: [Link] | Source: [Link]*

- **Concept:** Centralized academic portal for faculty profiles, course materials, and department news.
- **Tech Stack:** HTML5, CSS3, JavaScript (ES6+), Architecture Principles.
- **Highlight:** Designed a scalable content hierarchy and navigation system that reduced user clicks-to-content by 30%.

PET COMMUNITY & COMMERCE PLATFORM *Source: [Link]*

- **Concept:** Social platform enabling media sharing, community voting, and merchandise transactions.
- **Tech Stack:** Frontend (JS/CSS), Backend Architecture Design.
- **Highlight:** Defined complex user flows for moderation logic and monetization, focusing on database relational integrity.

FREELANCE & LOCAL SKILLS MARKETPLACE *Concept Project*

- **Concept:** Service discovery engine connecting local professionals with clients.

- **Highlight:** Focused on designing trust models and scalable database schemas to support platform growth.

EDUCATION

Bachelor of Science in Software Engineering [University Name] | *[Expected Year]*

Relevant Coursework: Data Structures & Algorithms, Theory of Computation, Computer Architecture, Data Communications, Discrete Math, Database Systems.

ADDITIONAL INFORMATION

Languages: English (Professional), Yoruba (Native), Spanish (Basic).

Interests: Scalable Systems, Backend Engineering, Rust Programming, Product Design.