ONI JOSHUA ADEOLA

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SOFTWARE ENGINEER | FULL-STACK DEVELOPER & AI TECHNICAL EVALUATOR

PROFESSIONAL SUMMARY

Full-Stack Software Engineer and AI Technical Evaluator with a B.Sc. in Computer Science. Proven track record architecting scalable web platforms, real-time distributed communication backends, and rigorous evaluation pipelines for Large Language Models (LLMs). Highly proficient in Python, TypeScript, React, Next.js, and Flask, with direct expertise in hypervisor system security, automated quality assurance test suites, few-shot prompt reasoning architectures, and model alignment evaluation.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3

Web & Backend Frameworks: Next.js, React, Node.js, Flask, WebSockets, RESTful APIs, Tailwind CSS

AI Engineering & Evaluation: Prompt Engineering, Few-Shot Reasoning Architectures, LLM Evaluation Harnesses, Adversarial Red-Teaming, Hallucination Reduction, RLHF/SFT Data Annotation

Systems, Cloud & Security: Linux/Unix, Git, GitHub Actions, CI/CD Pipelines, Hypervisor Runtime Monitoring, Virtual Machine Security, Vercel

Testing & Methodologies: Test-Driven Development (TDD), Unit & Integration Testing, Postman, Agile/Scrum, QA Documentation

EDUCATION

Federal University Oye-Ekiti (FUOYE) — *Ekiti, Nigeria* Graduated

Bachelor of Science (B.Sc.) in Computer Science

FEATURED ENGINEERING & AI PROJECTS

AI Prompt Architecture & LLM Evaluation Pipelines 2024 – Present

AI Technical Specialist / Prompt Engineer

- Architected **few-shot prompt systems, chain-of-thought scaffolds**, and structured schemas (JSON/Markdown) to optimize generative model instruction compliance and reasoning precision.
- Constructed comprehensive **QA test suites and multi-criteria evaluation matrices** to systematically benchmark model accuracy, response drift, and hallucination rates across complex multi-turn workflows.
- Conducted **adversarial red-teaming and prompt-injection stress testing** to evaluate model guardrails, safety adherence, edge-case robustness, and boundary conditions.
- Developed systematic benchmarking rubrics and code-generation validation datasets to evaluate Python and JavaScript programming synthesis against strict test criteria.

Virtual Machine Escape Prevention System 2024

Systems Software Engineer (Python / Flask / WebSockets)

- Engineered a real-time **hypervisor monitoring platform** engineered to intercept guest-to-host exploit vectors and anomalous kernel-level operations.
- Implemented an asynchronous **Python/Flask backend streaming events via WebSockets**, ensuring sub-second bi-directional telemetry between hypervisor detection agents and client dashboards.
- Developed an administrative dashboard to monitor guest-to-host system calls, analyze telemetry patterns, and trigger automated quarantine procedures upon anomaly detection.
- Authored modular system-call analysis scripts to identify unauthorized root privilege escalation and memory space access attempts.

Josh & Co. Web Platform (joshandco.cc) 2024

Frontend / Full-Stack Engineer (Next.js / TypeScript / Tailwind CSS)

- Architected and deployed a responsive, production-ready web platform utilizing **Next.js (Pages Router) and TypeScript** for robust type safety and performant client-side navigation.
- Engineered native touch-enabled horizontal sliders with **CSS scroll-snapping architectures** and zero external runtime dependencies, minimizing bundle payload and optimizing time-to-interactive.

- Implemented a dynamic theme switching engine with **zero layout shift (CLS = 0)** via client-side DOM root variable injection.
- Established automated continuous integration and continuous deployment **(CI/CD) pipelines via GitHub Actions and Vercel**.

PROFESSIONAL EXPERIENCE & TECHNICAL PRACTICES

Independent Technical Consultant & Developer 2024 – Present

Abuja, Nigeria

- Developed performant, responsive web components and accessible front-end interfaces adhering strictly to modern **Core Web Vitals** and cross-browser standards.
- Designed automated **API integration test collections in Postman**, validating endpoint security, schema integrity, JSON payloads, and HTTP status handling.
- Maintained strict code hygiene, modular documentation, and Git version control across production and feature branches.
- Streamlined digital asset pipelines (lossless WebP conversion, responsive image scaling, and staging) to minimize page load times and maximize client retention.