

Inioluwa Atanda

Software Developer | Full-Stack Engineer

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PROFESSIONAL SUMMARY

Versatile Software Developer with 4 years of experience building and maintaining robust, scalable, and user-friendly applications. Skilled in crafting clean, efficient code across both frontend and backend stacks. Proficient in modern frameworks, database management, and application performance optimization. Adept at translating business needs into technical solutions with an emphasis on usability, performance, and maintainability. KCNA-certified, with DevOps skills as a strong bonus.

CORE SKILLS

- **Frontend:** React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Redux Toolkit, React Query, WebSockets.
- **Backend:** Node.js, Express.js, FastAPI, Python, Go, C, RESTful APIs, GraphQL, WebSocket APIs, JWT Authentication.
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite, BoltDB, Redis (caching & session management).
- **AI & Machine Learning:** AI agent development, model integration (banking & automation systems), Python ML libraries (scikit-learn, TensorFlow basics), Prompt engineering.
- **Testing & Quality Assurance:** Jest, React Testing Library, Supertest, Pytest, API testing, automated testing workflows.
- **Deployment:** Vercel, Netlify, DigitalOcean, AWS.
- **DevOps & System Engineering:** Containerization, orchestration, environment reproducibility (Docker, Kubernetes), Linux system administration, Raspberry Pi & edge computing deployments.
- **Security & Optimization:** OWASP best practices, API security, rate limiting, input sanitization, performance tuning, database indexing.
- **Collaboration & Tools:** Git, GitHub, Agile/Scrum, Jira, Trello, Swagger/OpenAPI documentation.
- **Soft Skills:** Problem-solving, Agile collaboration, Technical documentation.

CERTIFICATIONS

KCNA – Kubernetes and Cloud Native Associate (The Linux Foundation) – 2025

PROFESSIONAL EXPERIENCE

Software Developer | Nigeria Hydrological Services Agency (NIHSA) | Mar 2025

- Developed and maintained the Nigerian Water System, ensuring reliability, scalability, and efficient performance.
- Implemented modern UI designs using React.js, Tailwind CSS, and reusable component patterns.
- Built RESTful APIs with Node.js and Express, integrated with MySQL.
- Optimized database queries and reduced load times by 25% through indexing and query refactoring.
- Collaborated closely with designers, QA, and other developers in Agile sprints.

AI Engineer & Backend Developer | Agent Pesa | June 2025

- Designed and implemented the AI agent powering an AI-driven banking system, enabling intelligent transaction handling and customer interactions.
- Built and maintained the backend infrastructure, ensuring secure, scalable, and high-performance operations.
- Integrated AI models with banking workflows, optimizing decision-making and user experience.

PROJECT HIGHLIGHTS

Engineered diverse full-stack, CLI, and edge-computing solutions including:

- **NoiseGuard** – Real-time Raspberry Pi noise monitoring system with C-based audio capture, Python alert services, React dashboard, and multi-channel notifications.
- **ReproPack** – FastAPI + Next.js tool for packaging and sharing fully reproducible software environments with dependency validation, tests, and Docker deployment.
- **TechGist** – Secure full-stack community for developers (Node.js, PostgreSQL, React) with JWT auth, role-based permissions, SEO optimization, and automated testing.
- **Offliner** – Cross-platform Go CLI for offline knowledge management with BoltDB storage, tagging, search, and JSON import/export.

EDUCATION

B.Sc. in Computer Science – University of Ibadan – 2022 - 2027