

# KINGSLEY FREEMAN AKANZU

Full-Stack Developer | Backend Engineer | IT Systems Administrator

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## PROFESSIONAL SUMMARY

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Results-driven Full-Stack Developer and IT professional with over 5 years of progressive experience delivering scalable web applications, enterprise IT systems, and EdTech solutions across remote and onsite environments. Proven track record of building and deploying production-grade platforms serving over 40 institutions and 100,000+ users. Skilled in the full software development lifecycle — from architecture and backend API design to frontend implementation, deployment, and ongoing maintenance — using Node.js, Express, TypeScript, MongoDB, and modern JavaScript frameworks. Experienced in product management, payment integration, real-time systems, and leading development independently in startup environments. Adept at delivering business value through technology across education, oil & gas, legal, logistics, e-commerce, and healthcare sectors.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Shell Scripting

**Backend Development:** Node.js, Express.js, MongoDB, REST APIs, JWT Authentication, WebSockets, Role-Based Access Control

**Frontend Development:** Responsive Design, WordPress, SEO Optimization

**Payment & Integrations:** Flutterwave, Third-Party API Integration, CMS Development

**DevOps & Deployment:** Git, GitHub, Vercel, Render, Linux, Windows Server

**IT Systems & Platforms:** Active Directory, Google Workspace, Microsoft Office 365, SmartSapp, Network Administration

**Tools:** Figma, ClickUp, Canva, Postman

**Product Management:** Agile Workflows, Sprint Planning, Roadmap Development, Stakeholder Communication

**Other:** Database Management, Data Analysis, System Backup & Recovery, CCTV & Network Configuration

## WORK EXPERIENCE

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**Junior Full-Stack Developer** | [Weechoo](#) | Accra, Ghana | **Remote** Jan 2026 – Present

- Leading end-to-end development of the company's core platform as the primary engineer, architecting the system from scratch without senior developer oversight.
- Designing and implementing scalable frontend and backend components using TypeScript, JavaScript, and CSS, with a focus on clean architecture and long-term maintainability.
- Collaborating directly with business stakeholders to translate product requirements into technical specifications, features, and deployment-ready code.
- Managing version control, code quality, deployment pipelines, and iterative releases using Git, GitHub, Vercel, and Render.
- Tech Stack: TypeScript, JavaScript, CSS, Shell Scripting, Git, GitHub, Vercel, Render

**Junior Product Manager** | [Skite.co](#) | Nigeria | **Remote** Aug 2024 – Dec 2025

- Coordinated cross-functional teams across design, engineering, and QA to deliver product features on schedule using ClickUp and Figma for task and workflow management.
- Defined and maintained product backlogs, user stories, and sprint plans, ensuring alignment between business objectives and technical execution.
- Facilitated regular standups, sprint reviews, and stakeholder briefings to maintain transparency and delivery momentum across distributed remote teams.
- Contributed to product roadmap planning and supported data-informed prioritization to drive improvements in user engagement and feature adoption.
- Tools: ClickUp, Figma, Git, GitHub

**Onboarding Executive | Junior Backend Developer** | **SmartSapp** | Accra, Ghana | **Hybrid** May 2023 – Jul 2024

- Architected and deployed a backend system for a school management platform serving over 40 institutions and 100,000+ active users across Ghana.
- Built a secure delegate verification module to manage child pickup authorization, significantly enhancing student safety across all partner schools.
- Developed a real-time data reporting engine delivering live academic performance and operational insights to administrators and parents.
- Optimized API architecture and backend performance, reducing average response times by up to 40% and improving overall platform reliability and uptime.
- Onboarded school staff and parents onto the platform, driving measurable increases in digital attendance adoption and parent engagement rates.
- Tech Stack: Node.js, Express.js, MongoDB, REST APIs, JWT, SmartSapp, EdTech Tools

**Computing Tutor | IT Technician** | **Grace Academy** | Spintex, Ghana | **Onsite** Sep 2019 – Oct 2022

- Served as the school's dedicated EdTech representative, delivering hands-on technical support and platform training for 50+ staff members and parents.
- Resolved hardware, software, and mobile app issues related to digital attendance, delegate management, and parent-school communication features.
- Maintained and upgraded computer labs across the school, ensuring 100% system availability for student learning activities.
- Designed and delivered computing tutorials aligned with curriculum objectives, assessing and tracking student progress through assignments and feedback sessions.
- Developed and deployed the Grace Academy student report portal (erp.graceacademysch.com), enabling digital generation and distribution of academic reports.

**IT Systems Administrator** | **Auto Management Services** | Tema, Ghana | **Remote** Sep 2018 – Aug 2019

- Administered and maintained the company's IT infrastructure, achieving consistently high system availability through proactive monitoring and rapid incident response.
- Configured and managed network infrastructure including CCTV systems and telecom devices in collaboration with third-party installation partners.
- Managed user accounts, access rights, and permissions across all internal platforms, enforcing security policies and minimizing unauthorized access risks.
- Executed scheduled system updates, security patches, and vulnerability assessments to maintain a hardened and compliant IT environment.

**IT Support Intern** | **Gold Fields Ghana Ltd** | Tarkwa, Ghana | **Onsite** Oct 2022 – Dec 2022

- Provided frontline technical support for hardware, software, and network issues across a large-scale mining operation, maintaining smooth daily IT operations.
- Managed user accounts and access permissions through Active Directory under supervision of senior IT staff.
- Assisted in maintaining Windows Server infrastructure, performed network diagnostics, and supported system upgrade projects.
- Executed regular system backup and data recovery procedures to ensure business continuity and data integrity.

## PERSONAL PROJECTS

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**Portfolio:** [github.com/Ironsyde-tech](https://github.com/Ironsyde-tech)

- **Twined:** Companion app for couples and best friends featuring shared activities, messaging, and memory tracking. [\[Live\]](#)
- **DAFF Flights Maintenance:** Flight maintenance management system with an admin dashboard for tracking and logging aircraft maintenance records. [\[Live\]](#)
- **GEC Ship / NorthStar Delivery:** Real-time delivery tracking platform enabling customers to monitor live order locations. [\[Live\]](#)

- **Global Energy News:** Full-featured news portal with content management, categorization, and publishing capabilities for the energy sector. [\[Live\]](#)
- **Align Oil & Gas:** Industry platform built for the oil and gas sector with content management and stakeholder engagement features. [\[Live\]](#)
- **Andrew Waltz Law:** Professional law firm website with service listings, contact management, and client-facing content. [\[Live\]](#)
- **Grace Academy ERP Portal:** Academic student report portal enabling teachers to generate and distribute student performance reports digitally. [\[Live\]](#)
- **Falon Skincare:** Full-stack salon booking platform with an integrated online store and Flutterwave payment processing.
- **Mawly Jewelleries:** Full-stack e-commerce platform for a jewellery brand featuring product management, cart, and Flutterwave checkout.
- **Invoice App:** Web-based invoicing tool for generating, managing, and tracking client invoices.
- **The Mechaniq (In Development):** Mobile-first platform connecting vehicle owners with nearby mechanics for booking and service management.

## EDUCATION

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**2024 B.Sc. Information Technology** — *University of Ghana, Accra*

**2018 Associate of Science (Computational Physics)** — *Kwame Nkrumah University of Science and Technology, Kumasi*

**2016 High School Diploma** — *Corpus Christi Senior High School*

## CERTIFICATIONS & COURSES

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**Backend Developer Program** — *ALX Africa (2023)*

**Professional Foundations** — *ALX Africa (2023)*

**CS50: Introduction to Computer Science** — *edX / Harvard University (2022)*

**Master Statistics for Computer Science** — *Udemy (2022)*

**Biology of Water & Health: Sustainable Interventions** — *edX (2021)*

## LANGUAGES

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**English** (Professional Proficiency) | **Twi** (Native) | **Ewe** (Native)