

Konlan Tiilonleeb

Lead Software Engineer • Full-Stack & Platform Engineering (EdTech)

Contact

- Address: P.O. BOX OK 286, Kasoa, Ghana
 - Mobile: +233 50 000 9650
 - Email: Tiilon42@gmail.com
 - LinkedIn: <https://www.linkedin.com/in/tiilon-konlan-04818114a>
 - GitHub: <https://github.com/Tiilon>
-

Professional Summary

Lead Software Engineer with 4+ years of hands-on experience building, scaling, and operating mission-critical education and institutional systems. I design and maintain student management systems, HRIS, clinic and IT asset platforms used by staff and students across multiple campuses. Strong full-stack background (Django, PHP, React) with production experience in containerization, Kubernetes orchestration, CI/CD, and automation (Jenkins, Docker, Zapier, n8n). Experienced in leading small engineering teams, mentoring junior developers, executing data migrations, and delivering robust, compliant production systems.

Core Technical Skills

Languages & Frameworks: Python (Django, DRF), PHP, JavaScript, React

Databases & Data: PostgreSQL, MySQL, relational schema design, data migration

DevOps & Cloud: Docker, Kubernetes, Jenkins, ArgoCD, AWS (Cloud Practitioner, Developer Associate)

Automation & Integrations: Zapier, n8n, PDFMonkey, Stripe, Paystack

Tools & Practices: Git/GitHub, CI/CD pipelines, unit/integration testing, release management

Professional Experience

Academic City University - Lead Software Engineer

Feb 2024 – Present (Accra, Ghana)

- Lead the engineering team responsible for the institution's core platforms: Student Management System (SMS), HRIS, Clinic Management, and IT Asset Management.
- Developed architecture, roadmap, sprint planning, and technical reviews; delegate implementation and mentor 2+ developers.
- Implemented and maintained CI/CD pipelines (Jenkins) and Kubernetes orchestration to support staging environments; established automated image builds and deployments.
- Drive requirements gathering with academic and administrative stakeholders to translate business needs into technical specifications and prioritized features.
- Championed automation for admin workflows using Zapier and PDFMonkey (e.g., automated offer letters, payment receipts), reducing manual processing effort and human error.
- Conduct regular training sessions for staff and students, improving platform adoption and reducing support tickets.

Academic City University - Software Engineer

Jul 2023 – Feb 2024

- Designed and implemented student management system major features: student intake workflows, semester registration, timetable access, lecturer grading uploads, and transcript & certificate generation modules.
- Built HRIS modules for leave application, performance reviews, and staff surveys; implemented role-based access and audit logging.
- Developed clinic management functions for patient record capture, retrieval, and basic reports used by campus health staff.
- Integrated payment and document generation workflows using third-party APIs and server-side automation tools.

Academic City University - Database Administrator

Jul 2022 – Jul 2023

- Acted as primary data contact for administrative departments: handled ad-hoc data requests, queries, and exports used in reporting and decision-making.
- Investigated and triaged user-facing issues in the student management platform; coordinated fixes with developers and communicated status to stakeholders.
- Performed regular database maintenance, backups, and assisted in database schema updates during feature rollouts.

Openlabs - Intern (full-stack / platform developer)

Jan 2022 – Jul 2022

- Built and maintained attendance registration platforms and simple program websites primarily using PHP; supported the lead developer on institution projects.
- Internship served as a probationary period to validate self-taught development skills and deliver production-capable features.

Openlabs & BlueCrest (Ghana & Liberia) - Lead Software Engineer (contract / part-time)

Oct 2024 – Present (ongoing support prior to lead role)

- Developed the custom student management platform for Openlabs and led the BlueCrest branches' platform work.
- Led data migrations from Knack to a custom PHP-based platform (BlueCrest GH - Dec 2023; BlueCrest Liberia - Dec 2024).
- As lead, I guide development, delegated tasks to a junior developer, and ensured platform stability and continuity across branches.
- Applied automation to admissions and administrative processes, integrating payment gateways and automated document generation.

Freelance - Full-Stack Developer

2018 – Present (selected public project)

- **MaitriseTCF (maitrisetcf.com)** - Online practice and exam platform for TCF Canada preparation. Built with Django and React; integrated Paystack and Stripe for subscription-based access. Implemented role-based access, timed practice exams, and subscription enforcement.
- Other NDA-bound internal systems built for SMEs and institutions (operations, reporting and workflow automation).

Selected Projects & Repos

- **Langraph agents / LangChain integration** - https://github.com/Tiilon/langraph_agents.git
- **AI integration and LangChain experiments** - <https://github.com/Tiilon/ai-integration.git>
- **Academic City Kubernetes manifests & infra** - https://github.com/Tiilon/acity_k8s.git
- **Gyasi E-commerce (full-stack sample)** - https://github.com/Tiilon/Gyasi_Ecommerce.git
- **MaitriseTCF** - <https://maitrisetcf.com/> (Django + React, Paystack & Stripe subscriptions)

Certifications

- Project Management Professional (PMP) - [Credly](#)
 - AWS Academy Graduate - Data Center Technician - [Credly](#)
 - AWS Certified Developer - Associate - [Credly](#)
 - AWS Certified Cloud Practitioner - [Credly](#)
-

Education

University of Professional Studies, Accra - BSc (Hons) Marketing, 2013 – 2017

St. Augustine's College, Cape Coast - BSc (Hons) Marketing, 2009 – 2013
