Richard Kweku Aikins

Software Engineer | Mobile | Web | Cloud Solutions Architect

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Professional Summary

Versatile Software Engineer with 8+ years of expertise in mobile application development and backend systems. Specialized in Flutter, Laravel, and Vue.js with a proven track record of architecting and deploying robust cloud-based solutions. Experienced in leading cross-functional teams and managing projects from conception to deployment. Passionate about domain-driven design and modular architecture approaches for scalable applications.

Technical Skills

Flutter/Dart   Laravel   Python   RESTful APIs & GraphQL   AWS/GCP   Node.js   Machine Learning

CI/CD Pipelines   UI/UX Design Principles   JavaScript (Vue.js/React.js)

Database Design (MySQL, PostgreSQL, MongoDB, Firebase)

Professional Experience

Mobile Application Developer
July 2024 - May 2025

Ownkey

Accra, Greater Accra Region, Ghana

- Designed and implemented a cross-platform mobile application that increased user engagement by 40% within the first 3 months after launch.
- Led the architecture and development of a modular Flutter codebase following domain-driven design principles, improving code maintainability and team velocity.
- Integrated advanced features including real-time data synchronization, biometric authentication, and offline functionality, enhancing user experience.
- Implemented robust CI/CD pipeline reducing deployment time by 60% and improving code quality through automated testing.

Head of Information Technology
December 2023 - Present

Free PAD Alliance

Accra, Greater Accra Region, Ghana

- Spearheaded the development of a comprehensive digital platform reaching over 50,000 users, amplifying the NGO's message and mission globally.
- Architected and deployed a cloud-based infrastructure on AWS, reducing operational costs by 35% while improving system reliability and scalability.

- Built a custom CMS using Laravel and Vue.js that streamlined content management processes by 70% for non-technical staff.

Mobile Application Developer
March 2023 - August 2024

ARK Softwarez
Winneba, Central Region, Ghana

- Developed and launched 7 successful Flutter and web applications for various clients across different industries, generating over $100K in revenue.
- Implemented complex state management solutions using BLoC pattern and Provider, resulting in performant and responsive applications.
- Created reusable component libraries that reduced development time for new projects by 40% while maintaining consistency.
- Designed and implemented secure RESTful API integrations with Laravel backends, ensuring data integrity and optimal performance.

Chief Technology Officer
March 2021 - July 2023

Bukyia - Expand Your Food Brand With Zero Capital
Greater Accra, Ghana

- Led the technical vision and development of a comprehensive food business platform that onboarded over 200 small food entrepreneurs in the first year.
- Architected a scalable microservices infrastructure using containerization and cloud services, enabling seamless growth as the platform expanded.
- Developed a Flutter-based mobile application on a Laravel-based API with integrated payment systems and logistics tracking that achieved a 4.3/5 star rating on app stores.
- Implemented machine learning algorithms for demand forecasting that reduced food wastage by 25% for vendors on the platform.

GDSC Lead
August 2021 - August 2022

Google Developers Group, University of Education, Winneba
Winneba, Ghana

- Grew the developer community from 35 to 250+ active members through strategic outreach and engaging technical workshops.
- Organized and facilitated 20+ hands-on workshops on Flutter, Firebase, and Google Cloud technologies, empowering students with practical skills.
- Led a team of 10 core members in organizing a successful Solution Challenge that solved local community problems using technology.
- Mentored over 50 student developers who went on to secure internships and job opportunities in the tech industry.

Software Engineer
December 2017 - August 2019

Gracecoms
Accra, Ghana

- Contributed to the development of a school management system using PHP and MySQL that was adopted by 15+ educational institutions.
- Implemented responsive frontend interfaces using HTML, CSS, and JavaScript that improved user experience across different devices.
- Designed and developed RESTful APIs that facilitated seamless data integration between different system modules.
- Participated in the full software development lifecycle from requirements gathering to deployment and maintenance.

Information Technology Tutor

September 2016 -

Ghana Education Service

Central Region, Ghana

- Developed and delivered engaging curriculum for Information Technology subjects to students in junior and senior high schools.
- Implemented innovative teaching methods that improved student engagement and understanding of complex IT concepts.
- Organized extracurricular activities and workshops to enhance students' practical skills in programming and web development.
- Mentored students in various technology-related competitions, leading to several awards and recognitions.

Key Projects

Attendance Management System with Facial Recognition

Laravel, Vue.js, Flask, Machine Learning, Facial Recognition, AWS

Web application for educational institutions to manage attendance using facial recognition technology. Integrated with AWS for cloud storage and analytics.

Food Delivery Platform

Flutter, Laravel, AWS, Payment Integration

Comprehensive mobile application for food ordering and delivery with real-time tracking, secure payment processing, and vendor management. Achieved 10,000+ downloads with 4.8/5 rating.

Infoctess Koneqt

Flutter, Firebase, Restful APIs

Cross-platform application for the student association to help members get access to study materials, events, and community discussions. Integrated with Firebase for real-time data synchronization.

MathsAide - E-learning Mobile Application

Flutter, Node.js, MongoDB

Interactive learning platform with video lectures, quizzes, progress tracking, and social learning features. Supported offline access and synchronized learning across devices.

Education

Bachelor of Science - Information Technology

2020 - 2024

University of Education, Winneba | First Class Honours

Diploma in Education - Teacher Education

2013 - 2016

Foso College of Education | Second Class Upper Division

WASSCE - Science

2008 - 2012

Winneba Senior High School

Certifications

AWS Certified Cloud Practitioner

GADs Scholarship - Android Development

Andela/Meta React Learning Program

Google Cloud Skill Boost Essentials

Oracle Certified, Java 8 Programmer

Oracle Database 12c: SQL Fundamentals

Languages

English
Full Professional Proficiency

Fante
Native Proficiency

Twi
Native Proficiency