

KWASI EDWARDS

Software Developer | Tech Entrepreneur | Lecturer | Cloud Computing Enthusiast

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PROFILE

Accomplished software developer, tech entrepreneur, and university lecturer with a demonstrated history of transforming ideas into functional, scalable solutions that exceed business needs and customer expectations. With a deep understanding of Java, Python, Flutter, React, Angular, and AWS, I aim to leverage my unique blend of technical expertise and leadership experience to drive innovation and efficiency in a forward-thinking organization.

EDUCATION

UNIVERSITY OF THE WEST INDIES, ST AUGUSTINE CAMPUS **Trinidad and Tobago**
MSc Computer Science with specialization in Cloud Computing **2017-2022**

UNIVERSITY OF THE WEST INDIES, ST AUGUSTINE CAMPUS **Trinidad and Tobago**
BSc in Computer Science (Honors) **2013-2017**

EXPERIENCE

UNIVERSITY OF THE WEST INDIES - RANKED NUMBER 1 UNIVERSITY IN THE CARIBBEAN **Trinidad and Tobago**
Lecturer, Course Instructor and Teaching Assistant **2022-Present**

- Delivered engaging lectures and provided personalized guidance to over 800 students across multiple semesters, with class sizes ranging from 120 to over 200 students per course.
- Assisted faculty in delivering 150+ computer science lectures, labs and tutorials, ensuring that the students practical skills comprehension met or exceeded the university's standards.
- Guided and mentored 15+ final year students, supervising their capstone projects from concept to completion. This resulted in all students successfully meeting project goals, adhering to industry standards and best programming practices, with 100% pass rate.

SUNDAE BYTES LIMITED - A SOFTWARE DEVELOPMENT COMPANY **Trinidad and Tobago**
CEO And Founder **2016-Present**

- Led the company in designing and streamlining workflow processes, resulting in a >90% reduction in inter-departmental feedback time and a 30% increase in project completion rate.
- Directed the transformation of 50+ innovative ideas into fully-functional software, utilizing industry-standard technology and stunning visuals.
- Established and maintained professional relationships with 5+ clients, leading to a repeat business rate of 75%.
- Completed 50+ projects ranging from client websites to enterprise-level applications and government systems, leading to a revenue increase of 60%.

AMALGAMATED SECURITY SERVICES LIMITED - A SECURITY COMPANY **Trinidad and Tobago**
Software Developer **2018-2019**

- Improved system reliability by 75% through effective collaboration and maintenance initiatives.
- Optimized a system's violation reporting algorithm, resulting in a 98.75% reduction in queue backlog and processing time reduction from 3 days to near-instantaneous.
- Proposed and implemented 15+ ideas to enhance the efficiency of the company's systems, leading to a 25% increase in overall system performance.

PROJECTS

GSS CPF

- **Tech Stack:** Odoo, Python, HTML, CSS, JavaScript
- Led the successful completion of a six-figure enterprise project, developing a career pathway framework for the government and citizens of Jamaica utilizing open-source, Python-based ERP systems.
- Designed and implemented a RIASEC-based self-assessment module, guiding professionals and students towards careers in ITO, BPO, KPO, and Digital Media pathways.
- Managed and directed a team of developers, ensuring the project was completed within the 18-month timeline and budget constraints.
- Effectively deployed a system contributing to Jamaica's workforce development in digital skills, connecting over 1000 individuals to relevant training programs.

EDVENTURE

- **Tech Stack:** Docker, Python, Flask, Flutter, Dart
- A flutter mobile application leveraging AR and VR technologies for virtual tours of over 20 landmarks and 10 field-trip destinations.
- Successfully placed in the top 3 in the country for the regional "Hack4Change" hackathon - an initiative funded and supported by the OAS, The Trust for the Americas, Citi Foundation and others.
- Successfully launched the Edventure mobile application on the Google Play Store for access by the judges.

DEVAM

- **Tech Stack:** Docker, Postgres, GO, Solidity, Angular
- Developed a suite of 11 applications for managing vehicle loans on a permissioned blockchain.
- Enhanced operational efficiency by reducing loan processing time and improving accuracy in loan documentation by eliminating up to 90% of manual errors compared to traditional loan management systems.
- Deployed smart contracts to an Ethereum node in the cloud.
- Developed and tested 9 decentralized apps (dApps) to be used by the various stakeholders
- Presented results and findings on UWI TV at the CIBC FirstCaribbean International Bank Research in Banking and Finance Business Forum for the 75th anniversary of the University of the West Indies.

MASTERS' THESIS

RESEARCH AND PUBLICATION

- Researched and discovered a way to facilitate multi-group communication using WiFi Direct.
- Examined literature in the domain space and came up with a novel Content Routing Algorithm.
- Achieved multi-group communication with an improvement of over 300% throughput when compared to previous literature in the area

SKILLS

PROGRAMMING AND DEVELOPMENT

- Java (10 years)
- Android (8 years)
- C (7 years)
- Python (7 years)
- Kotlin (3 years)
- Angular (4 years)
- React (1 year)

DEVOPS AND CLOUD TECHNOLOGIES

- AWS (5 years)
- Flutter (5 years)
- Dart (5 years)
- PostgreSQL (5 years)
- SQL (5 years)

SOFT SKILLS

- Communication
- Collaboration
- Management
- Leadership
- Adaptability