

# Clifford Kwame Wilson

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## PROFESSIONAL SUMMARY

**Full-Stack Developer** with a proven history of turning abstract ideas into functional software. With a strong engineering foundation from UMaT and development experience dating back to 2019, I focus on building tools that work. My portfolio ranges from **EdTech solutions** (NSMQ Pocket Tutor) to **Decentralized Finance applications**, utilizing a robust stack of **Python, JavaScript, and Cloud Infrastructure**. I combine the discipline of a high-achieving engineering student with the practicality of a freelance developer—delivering reliable, scalable systems like my self-hosted **Church Management** system.

## EDUCATION

**University of Mines and Technology** Tarkwa, Ghana

*Bachelor of Science in Computer Science and Engineering*

- Academic excellence and participation in hackathons and developer communities

## EXPERIENCE

**Freelance Software Developer** Jan 2026 – Present

*Self-Employed*

(Remote)

- Utilized front-end frameworks such as React and Angular to build dynamic, interactive web pages in client projects
- Integrated RESTful APIs to fetch and display data from server-side databases, ensuring seamless client server communication.
- Collaborated with clients and cross-functional teams to deliver high-quality web solutions using Agile methodologies
- Employed version control systems including Git and GitHub to manage codebase and support collaborative development
- Developed and maintained responsive web designs using HTML, CSS, and JavaScript to enhance user experience
- Wrote and optimized SQL queries for data retrieval and manipulation in web applications
- Applied knowledge of Linux environments for local development and deployment tasks
- Created and maintained documentation for web features, APIs, and system configurations

**Python Development Intern** Apr 2025 – May 2025

*Cognifyz Technologies*

(Remote)

- Automated multiple tasks using Python.
- Worked on various tasks requiring the use of programming logic

**Information Technology Assistant** Nov 2024 – Jan 2025

*Bendomage IT Solutions*

Tarkwa, Ghana

- Assisted with document preparation, including typing, printing, and photocopying services, while ensuring quality and timely delivery.
- Supported daily operations and maintained an organized, client-focused work environment.
- Graphic design using Photoshop.

## KEY PROJECTS

**Macintosh OS (Portfolio) | Portfolio / UI** techcosmocrat-macos.vercel.app

- Fully interactive, nostalgic desktop environment featuring draggable windows, a functional dock, and system modals
- Optimized for high performance with smooth framer-motion animations and responsive design across all devices
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Framer Motion

**Ecstatic Learn | Study** ecstatischlearn.netlify.app

- Built a document-to-flashcard generator that parses PDFs to create active recall study materials and interactive quizzes
- Implemented efficient file parsing logic and a lightweight UI to facilitate effective spaced repetition study sessions
- **Tech Stack:** React.js, TypeScript, Tailwind CSS, pdf.js

**Paradise Nursery | E-commerce App** cliffordwilsonk.github.io/e-plantShopping

- Developed a complete retail interface with dynamic product filtering, search functionality, and client-side shopping cart management
- Integrated user review systems and a seamless checkout flow to enhance user experience and engagement
- **Tech Stack:** React.js, Redux, JavaScript

## Techcosmocrat BootCamp | Education Platform

[techcosmo-camp.vercel.app](https://techcosmo-camp.vercel.app)

- Designed and deployed a comprehensive course portal featuring instructor bios, detailed curriculum listings, and student success stories
- Utilized Firebase for real-time data handling and Tailwind for a modern, responsive user interface
- **Tech Stack:** React.js, Firebase, Tailwind CSS

## RentEasy Platform | Rental Management

[renteeasy.gt.tc](https://renteeasy.gt.tc)

- Architected a dual-dashboard rental solution allowing landlords to list properties and tenants to search and manage applications
- Built secure authentication and database relationships to streamline the property leasing lifecycle
- **Tech Stack:** PHP, MySQL, JavaScript, Bootstrap

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, PHP, Solidity, SQL, HTML, CSS

**Frontend:** React, Redux, Zustand, Tailwind CSS

**Backend:** FastAPI, Django, REST APIs

**Blockchain:** Solidity, Smart Contracts, Web3.js, Ethers.js, HardHat, Remix, DApp Development, ERC-20, NFTs

**Databases:** SQL Server, MySQL, MongoDB, Firebase

**DevOps & Cloud:** Docker, Git, GitHub, DigitalOcean, Vercel, Hostinger, CI/CD Pipelines

## INTERESTS & HOBBIES

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**Technical:** Playing the keyboard/piano, Personal projects, Open-source contributions

**Leisure:** Reading, Gaming