MANASSEH KWAME KABUTEY

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Education

University Mines and Technology (UMaT), Tarkwa, Ghana

Bachelor of Science in Computer Science and Engineering

- **Relevant Coursework**: Software Engineering, Web development, Artificial Intelligence

Ghana-India Kofi Annan Center of Excellence

Certificate in software development

Professional Summary

Results-driven Software Engineer with 3 years of hands-on experience in mobile and web development, specializing in Flutter and Dart. Adept at building scalable, cross-platform applications with a strong focus on performance and user experience. Proficient in full-stack web development using technologies like Next.js, Node.js, JavaScript, and PHP, with practical knowledge of IoT integration. Skilled in using modern backend and cloud platforms including Firebase, Supabase, and MongoDB. Passionate about clean code, agile development, and continuous learning. A collaborative team player committed to delivering impactful solutions across diverse tech stacks.

Certification

- Certificate in Software development

Skills and Interests

Mobile Development: Flutter, Dart, Kotlin

Web Development: Next.js, JavaScript, PHP, HTML/CSS, Tailwind CSS

Backend & Databases: Firebase, Supabase, MongoDB, Node.js, Express.js, SQL

IoT Development: Arduino, Basic Sensor Integration, Esp8266, MCQ-5

Tools & Platforms: Git, GitHub, REST APIs, VS Code, Vercel, Netlify, Postman

Other: UI/UX Principles, Cross-Platform App Development, Agile/Scrum, Java, Python

Professional Experience

Mobile & Web Development Intern   October 2023 – December 2023

Cross Switch LTD   Accra, Ghana

- Developed and tested mobile applications using Flutter and Dart in collaboration with agile team members.
- Contributed to the development of a mobile student portal for a school, enhancing user experience for students and staff.
- Optimized mobile app performance through debugging and code improvements.
- Built and maintained responsive web applications using Next.js and Node.js.
- Ensured cross-device compatibility through modern UI/UX design practices.
- Participated in user research and incorporated feedback into feature iterations.

Mobile App Developer   April – May 2025

University of Mines and Technology   Tarkwa, Ghana

- Developed and deployed a mobile student portal application using Flutter and Dart, providing students with easy access to academic information and services.
- Collaborated with university staff and fellow students to gather requirements and ensure the app met the needs of the student body.
- Integrated features such as course schedules, grades, and notifications to enhance user engagement and improve the student experience.
- Conducted rigorous testing and debugging to ensure optimal performance and usability across different devices.

Projects

Smart Exam Attendance System | Flutter, Supabase

- Built a cross-platform Smart Exam Attendance System using Flutter and Supabase to automate student check-ins via AI-powered facial recognition, reducing impersonation and manual roll-calls by over 90%.
- Integrated secure image uploads, faculty-based student categorization, and manual search fallback to enhance system reliability and user experience.
- Collaborated in a 2-person team to develop and present the solution to university leadership, gaining strong interest for potential campus-wide implementation.

University Student Portal Mobile App | Mobile Developer (Flutter, Dart)

- Developed a comprehensive mobile student portal app for the University of Mines and Technology using Flutter, enabling students to access academic information and campus services on the go.
- Implemented features including course schedules, grade tracking, and real-time notifications, improving student engagement and convenience.
- Collaborated with university staff and peers to gather requirements and deliver a user-friendly, cross-platform solution.

Multi-Destination ZIP Extractor | Dart

- Developed a command-line tool in Dart that extracts multiple ZIP files simultaneously to multiple destination folders, improving file management efficiency.
- Implemented an interactive CLI interface with progress tracking, custom source/destination input, and maintained directory structure during extraction.
- Handled error cases such as invalid directories and empty inputs to ensure robustness and user-friendly operation.