ADAM MAHAMA

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PROFILE

Frontend and mobile application developer with expertise in React.js, Flutter, and modern JavaScript frameworks. Skilled in building secure, responsive web applications and functional mobile solutions with a focus on user experience and accessibility. Passionate about creating clean, maintainable code and solving complex technical challenges through innovative solutions.

Detail-oriented problem solver with a proven track record of translating design requirements into functional, pixel-perfect interfaces. Experienced in implementing client-side form validation, secure API integrations, and location-based services following industry best practices. Committed to writing semantic, accessible code that performs efficiently across all devices and browsers. Adaptable team player who thrives in collaborative environments while also excelling at independent project execution. Continuously expanding technical knowledge through self-directed learning and practical application in real-world projects.

TECHNICAL SKILLS

- ✓ Frontend: React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, TailwindCSS
- ✓ Mobile Development: Flutter, Dart.
- ✓ Backend & Database: Firebase, MySQL, RESTful API design.
- ✓ Cloud Services: Google Cloud Platform, Firebase Cloud Functions.
- ✓ State Management: React Hooks, Context API, Provider Pattern.
- ✓ Geolocation: Google Maps API, location-based services.
- ✓ Form Validation: Client-side & server-side validation patterns.
- ✓ API Integration: RESTful APIs, authentication flows.
- ✓ Web Security: Password validation, secure forms, authentication handling
- ✓ UI/UX: Responsive design, accessibility (ARIA), user-friendly interfaces.
- ✓ Development Tools: Git, npm, Vite, Webpack.
- ✓ Design: Graphic design, UI mockups

PROJECTS

Campus Security Navigator (Flutter, Firebase, Google Cloud)

- ✓ Developed a comprehensive mobile application that plots crime data on interactive maps
- ✓ Implemented real-time location tracking with geofencing to alert users when approaching high-risk areas
- ✓ Integrated Firebase for user authentication, real-time database updates, and push notifications
- ✓ Utilized Google Maps API and Cloud Functions to generate alternative safe routes for students
- ✓ Enhanced campus safety for off-campus students through proactive risk notifications

E-Commerce Platform (React.js, TailwindCSS, MySQL)

- ✓ Built a fully functional e-commerce website with product catalog, cart functionality, and secure checkout
- ✓ Implemented responsive design using TailwindCSS to ensure optimal viewing across all devices
- ✓ Designed and integrated MySQL database for product inventory, user accounts, and order management
- ✓ Created secure authentication system with role-based access control for users and administrators
- ✓ Developed API endpoints to handle product filtering, search functionality, and order processing

HENNGE Password Validation Challenge (React.js, TypeScript)

- ✓ Developed a secure user registration form with comprehensive password validation
- ✓ Implemented real-time client-side validation with dynamic error messaging
- ✓ Integrated form with RESTful API including proper error handling for all response cases
- ✓ Enhanced form accessibility using ARIA attributes and semantic HTML
- ✓ Successfully completed the challenge and received official recognition

Personal Portfolio Website (React.js, CSS)

- ✓ Designed and developed a responsive portfolio website to showcase projects
- ✓ Implemented custom animations and interactive UI components
- ✓ Optimized for performance and cross-browser compatibility

PROFESSIONAL EXPERIENCE

Rapid Crew Tech – Kumasi, Ghana

Frontend Developer & Marketing Team Organizer | January 2022–Present

- ✓ Develop and maintain React-based web applications and Flutter mobile solutions for client projects
- ✓ Create responsive user interfaces that meet accessibility standards and business requirements
- ✓ Implement complex features including e-commerce functionality and location-based services
- ✓ Collaborate with design and backend teams to deliver integrated, full-stack solutions
- ✓ Developed marketing communication plans and executed strategy across digital platforms
- ✓ Expanded membership base through targeted recruitment initiatives and client success stories

Parent Heritage School – Kasoa, Ghana

IT Assistant Personnel | September 2021–December 2023

- ✓ Implemented and maintained school-wide data backup system with automated recovery procedures
- ✓ Developed a digital examination management system, ensuring timely preparation and delivery
- ✓ Provided technical support for faculty and staff on hardware and software issues
- ✓ Created graphics and digital content for school advertising campaigns that increased enrollment
- ✓ Built small web applications to improve administrative processes and student record management

EDUCATION

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Bachelor of Science – Computer Science | Second Class Upper | November 2020–August 2024

- ✓ Relevant coursework: Web Development, Mobile App Development, Database Systems, Algorithms, Cloud Computing
- ✓ Final Year Project: Campus Security Navigator – Location-based safety application for university students

Edinaman Senior High School- Elmina Ghana West African Senior School Certificate Examination –General Science | 2016 – 2019

People school For Positive Education- Kasoa, Ghana Basic Examination Certificate Examination | 2013-2016

ADDITIONAL TRAINING

- ✓ Flutter App Development – Self-taught through online platforms (2023-Present)
- ✓ Frontend Web Development – Self-taught through online platforms (2022-Present)
- ✓ React.js Development – freeCodeCamp Certification
- ✓ Google Cloud Platform Fundamentals – Google Training

LANGUAGES

- ✓ English (Proficient)
- ✓ Fante (Proficient)
- ✓ Spanish (Intermediate)

VOLUNTEERING & ACTIVITIES

- ✓ Tech Mentor – Guided junior developers in React and Flutter development
- ✓ Weekend Town Cleaning Initiative – Parent Heritage School
- ✓ Red Cross Society Organizer of the Year – Edinaman Senior High School

INTERESTS

- ✓ **Building personal coding projects and web applications with social impact**
- ✓ **Contributing to open-source Flutter and React libraries**
- ✓ **Learning new programming languages and frameworks**
- ✓ **Language learning (Italian, Spanish)**
- ✓ **Advanced mathematics study**
- ✓ **Music appreciation**