

# MARVIN ASAMOAH

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## Profile Summary

A motivated and skilled Full Stack Developer with extensive experience in both frontend and backend development. Proficient in JavaScript, TypeScript, React, and Next.js, with a strong foundation in computer engineering. Demonstrated ability to develop and maintain responsive websites and web applications, collaborate with cross-functional teams, and integrate third-party services. Adept at problem-solving and committed to continuous learning and professional development. Seeking opportunities to leverage my technical expertise and creativity in a challenging and dynamic environment.

## Education

<b>Bachelor of Engineering</b>	<b><u>University of Energy and Natural Resources</u></b>	<i>Sunyani, Ghana</i>	<b>01/2021 - 10/2024</b>
<ul style="list-style-type: none"><li>Major in Computer Engineering</li><li><b>Major Courses:</b> Fault Diagnosis and Failure Tolerance, Secure Network Systems, Embedded Systems, Robotics, Artificial Intelligence, Software Engineering, Project Management</li></ul>			
<b>General Science</b>	<b><u>New Juaben Senior High School</u></b>	<i>Koforidua, Ghana</i>	<b>2017 - 2020</b>

## Experience

<b>Frontend Developer, Intern</b>	<b><u>First Love Center</u></b>	<i>Trinity Avenue, Accra</i>	<b>08/2023 - 12/2023</b>
<ul style="list-style-type: none"><li>Developed and maintained the church website using <b>React</b>, <b>JavaScript</b>, and <b>TypeScript</b>.</li><li>Implemented responsive design and user-friendly features.</li><li>Collaborated with the backend team, integrated <b>Firebase</b> for real-time data, and used <b>Git</b> for version control.</li></ul>			
<b>Frontend Developer and Graphic Designer</b>	<b><u>Qodesh Family Church</u></b>	<i>Kotei Robertson, Accra</i>	<b>03/2021 - 02/2023</b>
<ul style="list-style-type: none"><li>Created and updated the church website using <b>React</b> and <b>JavaScript</b>.</li><li>Ensured cross-browser compatibility and accessibility.</li><li>Worked with the design team and followed best practices for web development.</li><li>Designed and produced flyers for the campus church using <b>Adobe Photoshop</b>.</li></ul>			
<b>Full Stack Web Developer</b>	<b><u>Poulour</u></b>	<i>Accra, Ghana</i>	<b>11/2023 - 02/2024</b>
<ul style="list-style-type: none"><li>Built and tested the frontend of a web application for the administration database system using <b>JavaScript</b>, <b>TypeScript</b>, and <b>Next.js</b>.</li><li>Integrated APIs and third-party services using <b>Axios</b>, <b>Firebase</b>, and <b>MongoDB</b>.</li></ul>			
<b>Full Stack Developer</b>	<b><u>Final Year Project: Real-Time Chat Application</u></b>	<i>Accra, Ghana</i>	<b>01/2024 - 10/2024</b>
<ul style="list-style-type: none"><li>Developed a comprehensive real-time chat application with support for messaging, file uploads, audio recording, and voice/video calling.</li><li>Utilized <b>React Native (Expo)</b> for the mobile application and <b>React</b> with <b>TypeScript</b> for the web frontend.</li><li>Built the backend using <b>Node.js</b>, <b>Express</b>, <b>MongoDB</b>, and <b>Socket.IO</b> for real-time communication.</li><li>Integrated <b>Agora SDK</b> for high-quality voice and video calls and <b>Cloudinary</b> for media storage.</li><li>Implemented secure user authentication using <b>JWT</b> and role-based access control (RBAC).</li><li>Optimized performance with <b>Redis</b> for caching and <b>TanStack Query</b> for server state management.</li></ul>			

## Skills

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- **Programing Languages:** Java | JavaScript | TypeScript | C++ | Python
- **Frameworks & Libraries:** React | Node.js | Express | Next.js | Firebase | React Native | Expo
- **Tools & Technologies:** MongoDB | Git | Adobe Photoshop
- **Other Skills:** Unit Testing | Integrated Testing | Automated Testing | OOP | Frontend Development | Backend Development | Mobile Development | Full-Stack Development | English (Professional proficiency or above)

## Achievements

- **Developed a Feature-Rich Church Website:** Successfully developed a responsive and user-friendly church website, leading to a 25% increase in online engagement.
- **Designed High-Impact Marketing Materials:** Created over 50 promotional flyers using Adobe Photoshop, significantly enhancing the church's campus presence.
- **Implemented Efficient API Integrations:** Integrated multiple third-party services using Axios and Firebase, streamlining the web application's functionality.
- **Built and Launched a Task Management Platform:** Developed and deployed TASKIFY, a web-based task management tool, facilitating efficient task tracking and management for users.
- **Showcased Advanced Web Development Skills:** Designed and built a 3D portfolio website using Three.js, demonstrating innovative use of web technologies.
- **Created a versatile platform supporting both one-on-one and group chats with multimedia sharing.**
- **Deployed a robust, scalable system ensuring real-time communication across multiple platforms.**

## Projects

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- **TASKIFY:** A website that manages tasks. [Link to Taskify](#) (02/2024)
- **MARKDOWN EDITOR:** A website that previews markdown in real-time. [Link to Markdown Editor](#) (03/2024)
- **UNITIMETABLE-UI:** A website that generates university time tables (ui). [Link to Unitmetable](#) (05/2024)
- **3D PORTFOLIO:** Designed and developed a 3D portfolio with Three.js. [View Project](#) (09/2023)
- **DELETE FILE CLI:** A cli that locates files and deletes them. [Link to npm package](#) (02/2024)
- **GODLY FEMININE WOMAN:** A blog for an organization. [Godly Feminine Woman](#) (08/2024)
- **CHAT-FORUM:** A cross platform real time chatting app. [Link to chat forum](#) (02/2024)