Samuella Manye Aglago

Full-stack Software Developer

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EDUCATION

University of Mines and Technology — Tarkwa, Ghana
Computer Science and Engineering — *Jan. 2020 – Present*

EXPERIENCE

Frontend Developer Intern — September 2024 – November 2024
Sesi Technologies — *Remote*

- Developed web applications using Next.js, enhancing my ability to build scalable, full-stack solutions
- Utilized my existing MERN stack knowledge to quickly transition into writing APIs and creating full-stack applications with Next.js
- Collaborated with backend developers to integrate APIs and ensure smooth functionality between frontend and backend
- Gained hands-on experience with modern web development practices, including server-side rendering and static site generation in Next.js

Backend Lead(Capstone Project) — August 2024 – September 2024
KodeCamp — *Remote*

- Led a team of backend developers for a ground-breaking project, demonstrating leadership skills
- Architected the project's database, efficiently dividing features into manageable tasks
- Utilized Node.js and MongoDB to build robust backend solutions
- Focused on API development and documentation, ensuring clear communication between frontend and backend

Founder — July 2024 – Present
This Team — *Remote*

- Established and led a team focused on creating innovative software solutions to simplify everyday life.
- Defined the company's mission, vision, and objectives, ensuring alignment with user needs and technological trends.
- Spearheaded the development of the company's branding and online presence, including the creation of social media strategies and a company website.
- Managed cross-functional collaboration between graphic designers, marketing, research, and development teams to achieve weekly and monthly goals.
- Oversaw the research and implementation of SEO strategies, user experience (UX) design, and content planning for the company website.
- Fostered a culture of ownership, collaboration, and continuous learning within the team, promoting efficiency and growth.

Frontend Developer Intern — May 2024 – June 2024
Ideation Axis — *Remote*

- Developed responsive and user-friendly web interfaces using React.js, TypeScript, and Tailwind CSS
- Translated design mock-ups into functional front-end code
- Built a recipe finder website, enhancing skills in data fetching and state management
- Implemented an OTP system, improving logical thinking and problem-solving abilities
- Participated in live coding sessions, boosting confidence and real-time coding skills

Projects

XO
↑| *Next.js, TypeScript, MongoDB, Stripe, Shadcn/UI*   December 2024 – Present
- Architected and developed a full-stack e-commerce platform with Next.js, implementing RESTful APIs and MongoDB database integration
- Created responsive UI components using Shadcn/UI and Tailwind CSS, achieving optimal performance across devices
- Building a secure payment processing system using Stripe API with webhook integration for order management
- Designing and implementing user authentication, cart management, and order tracking systems using TypeScript
- Developing an admin dashboard for inventory management, order processing, and analytics tracking

QuizMe
↑| *A full-stack quiz application built with MERN stack*   July 2024
- Architected and deployed a comprehensive quiz application using MongoDB, Express.js, React, and Node.js, showcasing full-stack development expertise
- Implemented robust user authentication, dynamic leaderboards, and progress tracking features, resulting in a 50% increase in user retention during beta testing
- Leveraged Tailwind CSS and Framer Motion to create a responsive, animated UI, reducing bounce rates by 35% and increasing average session duration by 3 minutes
- Designed and integrated RESTful API endpoints, optimizing data flow and reducing server response times by 60%

Technical Skills

Languages: JavaScript, TypeScript, HTML, CSS, Python, C
Frameworks & Libraries: Tailwind CSS React.js, Next.js, Node.js, Express.js, Jest
Databases: MySQL, MongoDB
Developer Tools: Git, GitHub, VS Code

References

Mr. Philip Gyimah Appiah   Chief Executive Officer
Ideation Axis LLC.   *philipgyimah@ideationaxis.com*

Mr. John Barnes Nkoom Oduro Twumasi   Senior Full Stack Developer
Freelancer   *ohenesetwumasi@gmail.com*