Emmanuel Asiedu Agyare

Full-stack Software Engineer

(208) 970-5045 | asieduagyare@outlook.com | linkedin.com/in/emmanuel-agyare-946a62139

Summary

Software Engineer with 5+ years of experience specializing in building and scaling full-stack applications with a focus on React, Node.js, and Python. I have a proven ability to architect high-performance systems, delivering features that have enhanced user engagement by 35%, reduced development time by 50%, and maintained 99.9% system uptime. I am passionate about creating clean user interfaces and mentoring team members to elevate code quality and efficiency.

Skills

Frontend: React, Next.js, TypeScript, JavaScript, React Native, Expo, Angular, HTML5, CSS3, TailwindCSS, Redux
Backend: Python, Django, Node.js, Express.js, RESTful APIs, GraphQL
Databases: PostgreSQL, MySQL, Supabase, MongoDB
AI & Machine Learning: OpenAI API Integration, AI-Feature Implementation
Testing: Jest, React Testing Library, Cypress, Unit & Integration Testing, Test-Driven Development (TDD)
DevOps & Tools: Docker, Git, CI/CD, GitHub, Jira, Figma
Methodologies: Agile, Scrum, Code Review, Team Leadership

Work Experience

Software Engineer   25:2 Solutions LLC — Pocatello, ID

September 2021 – July 2025

- Architected and deployed full-stack applications using React, Node.js, and Django, successfully scaling to serve over 3,000 active users.
- Engineered AI-powered features with the OpenAI API, leading to a 35% increase in user engagement.
- Developed a cross-platform mobile application with React Native and Expo, accelerating development time by 50%.
- Optimized RESTful APIs in Node.js, reducing data latency by 20% and improving overall system performance.
- Reduced application load times by 25% by optimizing database queries and implementing advanced caching strategies.
- Containerized the application stack using Docker, which streamlined the deployment process and ensured environmental consistency.
- Mentored 3 junior engineers in software design patterns and Agile methodologies, boosting team efficiency and code quality.

Software Developer   SafeStreets LLC — Rexburg, ID

July 2019 – January 2021

- Engineered responsive web applications with Angular and TypeScript, integrating real-time data from Java Spring Boot APIs.
- Improved page load speeds by 22% by implementing code splitting and lazy loading techniques.
- Developed a library of reusable frontend and backend components, cutting development time on new features by 15%.
- Achieved a 99.8% defect-free deployment rate by conducting comprehensive unit testing and debugging.
- Collaborated in a 5-member cross-functional team within an Agile framework to consistently deliver features on schedule.

Software Developer Intern   Alder Holdings LLC — Orem, UT

January 2019 – April 2019

- Enhanced application performance by 20% through targeted bug fixes and UI optimizations.
- Developed internal tools that improved the operational efficiency of client-facing applications.
- Collaborated with a cross-functional team to translate business requirements into technical solutions.

Projects

Helpi - AI Chrome Extension

An AI-powered Chrome extension for text analysis, translation, and code assistance, published on the Chrome Web Store with active users.

- **Technologies:** JavaScript, OpenAI API, HTML/CSS
- Implemented context-aware AI responses and seamless webpage integration.

PickApp - Sports Coordination Platform   Live Demo

A full-stack sports coordination platform with real-time event scheduling, user authentication, and notifications.

- **Technologies:** React, TypeScript, Supabase, TailwindCSS
- Built the front-to-back user authentication, event management, and real-time notification system.

UniConvert - Unit Conversion Tool   Live Demo

A responsive and mobile-first Progressive Web App (PWA) for unit conversion with offline capabilities.

- **Technologies:** React, JavaScript, PWA
- Developed a responsive interface and implemented PWA features for an enhanced mobile experience.

Education

Brigham Young University–Idaho   Rexburg, ID

Bachelor of Science in Computer Information Technology   *Graduated July 2021*