

NANA OWUSU-ANSAH NTODI

Software Engineer

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SUMMARY

Motivated Software Engineer with hands-on experience in full-stack development, AI integration, and DevOps tools. Skilled in building scalable web applications using modern frameworks like React and Node.js, with a passion for leveraging LLMs and cloud technologies to solve real-world problems. Proven ability to deliver projects that enhance usability and performance.

EXPERIENCE

Softcodes Ghana - Software Engineering Intern

September 2024 – December 2024

- Collaborated with a team to deliver detailed accounts payable analyses for Sage users, utilizing MS SQL Server Management Studio (SSMS) to query tables and support over 50 clients.
- Configured servers to optimize work PC performance, reducing document retrieval load time by 25%.
- Developed a MERN stack web application to track software subscription expiries, improving renewal tracking by 30%.
- Designed reusable UI templates with React and Tailwind CSS for the marketing team, cutting design time by 20%.

Gethsemane AI & Robotics – Software Engineering Intern

September 2024 – December 2024

- Researched generative AI use cases in finance and education, presenting findings to a team of 5 engineers.
- Completed Kaggle's "Intro to Generative AI" course and built mini LLM projects using GPT-4 and Gemini-1.5-flash.

J . Prompt Services – Web Developer Intern

September 2023 – December 2023

- Participated in a web development bootcamp, mastering HTML, CSS, and JavaScript fundamentals.
- Built and deployed 2 responsive web projects, including a CRUD system with PHP and phpMyAdmin.

EDUCATION

University of Mines and Technology, Tarkwa, Ghana

Bachelor of Science, Computer Science and Engineering

January 2023 – September 2024

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, PHP, HTML, CSS
- **Frameworks & Libraries:** React, Node.js, Express, Bootstrap, Tailwind CSS
- **Databases:** MongoDB, MySQL, SQL Server (SSMS)
- **DevOps & Cloud:** Docker, Kubernetes, OpenShift, AWS, IBM Cloud, Vercel
- **Testing & Monitoring:** Nose, Behave, Prometheus, Grafana, Mezmo, Instana, OpenTelemetry
- **API & Tools:** GraphQL, Swagger, Postman, Git
- **AI & ML:** LLMs, Integration with GPT-4 and Gemini-1.5-flash

PROJECTS

- **Blog Website** – MERN Stack
- **AI Chatbot** – Built with GPT-4 & Gemini 1.5 Flash
- **Full-Stack Career Platform** – React, Node.js, MongoDB, Bootstrap
- **Airbnb Clone** – JavaScript + React
- **CRUD System** – PHP, MySQL, phpMyAdmin

CERTIFICATIONS

- AWS Certified Developer - Associate (Udemy)
- Microservices and Serverless (Coursera)
- Introduction to Docker, Kubernetes, and Red Hat OpenShift (Coursera)
- Introduction to Test-Driven and Behavior-Driven Development (Coursera)
- React AI Chatbot with Gemini and OpenAI (Udemy)
- React: All You Need to Know with Practical Project (Udemy)
- Java, Python, and JavaScript Completion Certificates (Sololearn)