Desmond Opoku Anane

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SUMMARY

I am a Software Engineer, and a Cybersecurity Analyst committed to advancing my career in software development by working collaboratively with motivated, results-driven teams within a dynamic and structured organizational environment. My goal is to leverage my expertise in both frontend and backend technologies to contribute meaningfully to the organization's growth while driving innovation and delivering high-impact solutions. As a dedicated Computer Science student, I aim to leverage my technical skills and academic knowledge to contribute to innovative projects and gain hands on experience in software development, system design, and IT infrastructure. I am eager to collaborate with professionals in the field to enhance my expertise and contribute to impactful solutions.

EDUCATION

Bachelor of Science, Computer Science   January 2023 - Present
University of Ghana

TECHNICAL SKILLS

- React Native
- Programming Languages: Python **FastAPI** Django, ExpressJS, TypeScript, NodeJS

- Database Management: SQL, MySQL, MongoDB - Software Development: SDLC, Git, GitHub - Algorithms and Data

- Web Development: HTML, CSS, React, Django Structures - Operating Systems: Linux, Windows

- Cloud Computing: AWS

- Cybersecurity: Cyber Operations, Pentsesting
- GraphQL

Relevant Coursework: Data Structures, Analysis of Algorithms, Java, Python, PHP C/C++, Database Management, Programming for the Internet, AI, Calculus, Discrete Mathematics, Statistics, Linear Algebra

Saloon Connect: Link

- A location-based platform connecting customers with nearby salons for easy booking and payments. Built REST APIs with **FastAPI** for salon discovery, booking, and payments
- Implemented secure JWT authentication with user/vendor roles
- Developed location-based salon search functionality
- Designed database models for appointments and ratings
- Integrated payment system for transactions

AWS Employee Reward Monitoring System: Link

- Contributed to the development of a global employee rewards monitoring system for AWS, utilizing Next.js for the frontend. Built interactive and data-driven pages to visualize employee information

(regions, departments, individual employees) and reward metrics. Connected frontend interfaces to backend APIs to fetch and display real-time data.

EXPERIENCE

Software Engineer Intern | September 2025 – November 2025
Amalitech **Link**

- Developed microservices using **Java** for internal training applications called CollabSpace

- Built FasAPI-based backend services including authentication, user management, and data processing APIs.

- Implemented asynchronous API endpoints using FastAPI for improved performance.

- Collaborated with engineering teams to design scalable REST architecture.

- Worked on CI/CD setup for deploying Django/FastAPI applications.

- **Developed FastAPI microservices for internal applications.**
- **Built and maintained Django REST APIs.**
- **Contributed to database schema design and optimization.**
- **Collaborated in Agile development environment.**

Software Engineer | October 2024 – February 2025

GETA Solutions: Link

- Contributed to the full lifecycle development of the company website, leveraging React for the frontend and Node.js, Express.js, and MongoDB for the backend.
- Engineered and deployed the frontend for critical pages including Services, Careers, Publications, and the internal Intranet.
  Developed robust and secure backend architecture, including user authentication and
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  RESTful API endpoints for managing tasks, publications, and other data.
  Managed website hosting, ensuring seamless accessibility and performance.

Fullstack developer Intern | February 2025

aeTech Hub, Accra
Role: Software Engineer

Mission : frontend services
- Engineered user interface components for Tarmove, a logistics shipping company, leveraging Next.js.

- Built the Get Started page to initiate user interaction.

- Developed distinct Sign Up and Login pages tailored to Shipper and Transporter functionalities.

Software Engineer | March 2024 – February 2025

Youth Space Africa (YOSA): Link

Youth Space Afrika is a non for profit, youth led, adolescent focus and women focused organization that provides safe spaces for young people and girls

Role: DevOps
 Mission: Host the website and help in the backend services
Engineer
- Contributed to the development of a website for YOSA to Provide hope and support to those in need, one meal and one home at a time.
- Empowering communities, enriching lives. Our non-profit organization is dedicated to creating positive change
- Engineered and implemented API endpoints to manage aid requests, ensuring secure and efficient data handling.
- Implemented role-based authorization for API access to make donations and volunteer.

INTERESTS

- Cybersecurity Backend ● Machine Learning ● Development ● Cloud Computing