





Manuel Kwarteng Ashong

Full Stack Developer (Remote)

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 Manuel (Kwarteng) Ashong  manueldiamond

 Tema Metropolitan District, Greater Accra Region, Ghana  Ghanaian

Profile

Passion-driven developer with 5 years of self-taught programming experience and a strong foundation in Computer Science, reinforced through university coursework in areas like Data Structures & Algorithms and Web-Based Technologies. Skilled in building responsive, high-performance web applications using React.js and modern JavaScript frameworks. Proven ability to deliver high-quality, user-centric designs, combined with expertise in developing scalable backends with Node.js and deploying production-ready full-stack applications. Passionate about writing clean, efficient, and scalable code.

Education

BSc. Computer Science,
Central University

2021 – present | Tema, Ghana

Currently pursuing a CS degree to gain a well-rounded understanding of traditional Computer Science fundamentals

Work Experience



08/2024 –
present

Second Internship at ITANDT Solutions Limited

- A second internship at **ITANDT Solutions** to further deepen my knowledge as a fullstack engineer, working on various projects, including a **Gift Manager System**, a **Hospital Management System (HMS)**, and an **Accounting System** using **Next.js** in a full-stack capacity.
- Learned and applied backend technologies, including **Express** (Node.js), **Flask (Python)**, **Spring Boot (Java)**, and **PostgreSQL**, to enhance database management skills.

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- Exploring **CI/CD** practices to automate testing and deployment processes, ensuring smoother and faster releases.
- Collaborating with cross-functional teams, contributing to both frontend and backend development, while following **Agile methodologies**.

06/2023 –
10/2023

Intern at ITANDT Solutions Limited

- Worked on developing the frontend of several web applications, including a **FirstBank Nigeria online money transfer system**, collaborating with a team to implement responsive and user-friendly interface.
- Gained experience in working with **Reactjs**, **Next.js**, **TailwindCSS**, and **Angularjs** for building scalable web applications..
- Improved proficiency in integrating APIs and working with RESTful services, ensuring efficient data flow and seamless user experience.

Relevant Skills

React

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- **High proficiency in JavaScript/TypeScript.**
- **React hooks**, including useState, useEffect, useRef, useCallback, and useMemo, **Global State Management** using **React Context API** and **Redux..**

Backend Skills

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- Express(Node.js)
- Spring Boot(Java),
- FastAPI (Python),

SQL

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Proficient in designing, architecting, and interacting with relational databases using PostgreSQL, MySQL, and SQLite

Next.Js

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- **High-proficiency in Next.js**, the most extensive full-stack React framework, delivering optimized, production-ready applications.

Tailwind CSS

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- Proficient in **Tailwind CSS**, focusing on creating **crazy good UI** designs that enhance user experience.
- Committed to **fast delivery** of responsive and visually appealing web applications.


Projects

05/2024 – 07/2024

Tasty Chef - Basic online Marketplace for Food Delivery

Next.js / PostgreSQL / TypeScript / TailwindCSS / Next Auth / PayStack



A full-stack food delivery app for a school project. Worked on both the frontend and backend using **Next.js**.

- Integrated with a PostgreSQL database for data storage, implemented authentication, and connected to an API for payment handling.
- Integrated the PayStack API to handle payments.
- Github TastyChef Live demo 

07/2024 – present

Hostel Booking Project

Next.js / Supabase/ PostgreSQL / TypeScript / TailwindCSS

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- Developed a Hostel Booking Management System using React.js, Next.js, and Node.js to facilitate seamless room reservations for hostels.
- Implemented core features such as room availability tracking, guest check-in/check-out management, and payment processing via third-party APIs. Designed and maintained a relational database (SQL) for storing information about room types, bookings, and user data, ensuring data integrity and efficient querying. B
- Focused on creating a clean, responsive UI with Tailwind CSS, providing a smooth user experience across devices.
- Worked on backend APIs to handle CRUD operations for bookings, users, and rooms, ensuring reliable data handling and business logic.
- Link to NextJS Codebase  (on Google drive, as GitHub repository is currently private) Link to Live Deployment 

08/2024 – 09/2024

Gift Management System

Next.js / TypeScript / TailwindCSS / MySQL

Collaborated with a Superior at ITANDT Solutions on developing a Gift Management and Distribution System tailored for charitable organizations, enabling efficient tracking and distribution of gifts to registered beneficiaries including features such as:

- a robust inventory system to manage gifts
- automatically updating stock levels upon each distribution.
- beneficiary registration with unique ID assignment, enabling detailed tracking of who received gifts, when, and how often and ID card generation,
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I specifically worked on:

- Rewriting the codebase in typescript, docker deployment.
- Improving identification and streamlining the gift distribution systems.
- Aiding frontend and backend development with React.js/Next.js.
- backend logic with Sqlite and Next.js API routes
- Integrated **SWR** for efficient data fetching and real-time updates, with **debounced search** functionality for seamless filtering and sorting of reports.

(private git repository due to confidentiality)



08/2023 – 10/2023
Nigeria

First Bank Money Transfer

Next.js / TailwindCSS

Worked on the frontend of a new **FirstBank Nigeria** online money transfer system across multiple countries, utilizing **Next.js** and **TailwindCSS** to build a responsive and scalable UI. *(Full Repository is private due to confidentiality)*

Interests

Game Development  • YouTube  • Graphics Programming

- Art and Animation 