

MAWUKO SENYO HAYIBOR

Software Engineer

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🔗 Mawuko S. Hayibor

Skills

Development Tools & Workflow

Git/GitHub, REST APIs, Agile workflow, Responsive Design, Cross-Browser Testing, Docker, Vercel, Ollama, AI-assisted Development: Claude Code

Frontend Development

React.js, Next.js, React Native, TypeScript, JavaScript (ES6+), HTML5,UI Implementation & Testing(RTL and Jest), Form Validation (Zod) , Global State Management (Zustand), Wordpress

Backend Development

Python, Django, Django Rest Framework,Automated Testing(Pytest) , Performance Testing(Locust), Wordpress

Styling

CSS(with SCSS familiarity) ,Tailwind CSS, Chakra UI, Bootstrap, Material UI

Projects

Redline (Django REST Framework + Next.js + Local LLM) [🔗](#)

- Built a self-hosted, privacy-first social media content agent using Django REST Framework and Next.js, integrating a locally-run LLM (via Ollama) to draft and revise post content entirely on-device, with no third-party API calls.
- Designed a REST API with PostgreSQL persistence, including a single endpoint that intelligently creates or updates a post before applying AI-driven edits, keeping business logic centralized on the backend rather than duplicated across clients.
- Built a responsive Next.js (TypeScript) frontend enabling real-time draft creation and iterative, instruction-based AI tweaking of post content.

Inventory Quotient (React Native + Django) [🔗](#)

- Built a full-stack mobile inventory management application using React Native (Expo) and Django REST Framework, implementing secure JWT-based authentication with access/refresh token rotation and protected API endpoints.
- Designed and integrated RESTful CRUD APIs with a centralized frontend API utility, including structured error handling, authentication state management, and secure client-server communication.
- Implemented offline-first functionality using network state detection and AsyncStorage caching to ensure data persistence and reliable performance during connectivity loss.

TriviaHub (React Native + Expo + Claude Code) [🔗](#)

- Built a mobile trivia application with Expo Router and NativeWind, integrating the Open Trivia DB API with quiz state management and persistent high-score tracking using AsyncStorage.
- Diagnosed and resolved a React Native Reanimated 4 worklet issue by tracing it to a Babel configuration change, documenting the fix to streamline future development.
- Designed and implemented a consistent design system using reusable color and typography tokens across five application screens.

- Leveraged Claude Code as an AI pair programmer with structured project context files (CLAUDE.md and AGENTS.md) to maintain architectural consistency, accelerate feature development, and improve code consistency across development sessions.

Creator – nextjs-nativewind (Open Source Project) [↗](#)

- Created and published an open-source Expo starter template integrating NativeWind and file-based routing, enabling developers to bootstrap cross-platform applications with a production-ready setup.
- Project start command: ' npx create-expo-app --template https://github.com/Harry-Daniel/nextjs-nativewind [↗](#) '

Pestify

- Built a React Native mobile application enabling farmers to identify crop pests using a custom machine learning model integrated via a Django backend
- Implemented features providing pest impact insights and actionable recommendations to support informed agricultural decisions
- Designed and integrated an educational mini-game to promote agricultural awareness among farmers' children through interactive learning
- Built and consumed REST APIs to connect the mobile app with backend ML services for real-time predictions

AI Theme Park Chatbot (OpenAI API + Express + Node.js + HTML/CSS)

- Built a conversational chatbot for an imaginary theme park.
- Integrated the OpenAI API with an Express.js backend to handle dynamic, natural language conversations.
- Implemented Husky for pre-commit linting and testing, improving code quality and laying groundwork for future CI/CD automation.

Professional Experience

IT Support Officer

05/2026 – Present

Ghana Chamber of Young Entrepreneurs [↗](#)

Accra, Ghana

- Maintained and enhanced four organizational websites, managing updates, troubleshooting technical issues, and improving overall platform performance.
- Supported the organization's digital infrastructure by resolving system issues and implementing technical solutions improving operational efficiency and online engagement.

Technical Lead / IT & Systems Lead

12/2025 – 05/2026

HAB Consult [↗](#)

Accra, Ghana

- Designed and implemented a digital document workflow using e-signatures, electronic stamps, and PDF generation, eliminating the need to print, manually sign, stamp, scan, and resend documents to clients.
- Maintained and troubleshooted networks and workstations

Lead Web Engineer

07/2024 – 09/2025

InversePay [↗](#)

Remote

- Led a team of 3 developers, delivering features and updates on short sprint cycles delivering the website ahead of schedule.
- Built and maintained a responsive customer-facing website using Next.js and Tailwind CSS, adopting a GitHub-based workflow that improved collaboration and version control across the development team.

- Built internal dashboard to support operational workflows for support teams.

Freelance Web Developer

Alusive Africa [↗](#)

- Built official website from Figma to deployment with Next.js and Tailwind.
- Delivered a mobile-first build with full cross-browser compatibility.

01/2025 – 01/2025
Remote

Web Developer(Contract)

Inland Africa Safaris [↗](#)

- Rebuilt key pages with React and custom CSS, improving UI and checkout flow.
- Used appropriate attributes such as 'alt' in the Image tag as well as appropriate tags such as 'section', 'h1', 'h2', 'h3', 'article' and others to improve accessibility.
- Delivered responsive layouts under tight client deadline.

04/2024 – 04/2024
Remote

Intern(Web Developer)

Christ for Youth Int. [↗](#)

- Customized **WordPress e-commerce shop** and built job platform with **React**.
- Delivered a **Next.js room selection app**, enabling interactive real-time choices.

08/2023 – 01/2024

Education

BSc Computer Science

Kwame Nkrumah University of Science and Technology

11/2021 – 11/2025
Kumasi, Ghana

Certificates

The Ultimate Django Series [↗](#)

Parts 1, 2 and 3

Build AI-Powered Apps [↗](#)

Next.js 15 & React - The Complete Guide Next. [↗](#)

The Ultimate Docker Course [↗](#)

Artificial Intelligence Fundamentals [↗](#)