

JEFFREY NANA BOAKYE

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SUMMARY

Full Stack Developer with a telecom background, building mobile apps and websites using React, Next.js, React Native, Expo and Express.js. I create powerful automations with n8n, Make, and Langflow, and integrate OpenAI and Google AI to develop smart AI agents.

WORK EXPERIENCE

Mar 2025 – Present **SilverRock Technology Services** Accra, GH

Backend Developer

- Develop and maintain APIs to enable smooth communication between frontend and backend systems.
- Design and manage databases using MongoDB for efficient data storage and retrieval.
- Write backend logic primarily in JavaScript, while leveraging AI tools to translate and adapt code into Python or PHP as needed, ensuring versatility across different tech stacks.

February 2023 – January 2025 **Freelancer** Accra, GH

Web Designer and Digital Marketer

- Designed and developed responsive websites using WordPress, resulting in a 30% increase in user engagement for clients.
- Created beautiful UIs and flyer advertisements, improving brand visibility and customer acquisition by 20%.
- Set up and managed social media pages, increasing follower engagement by 25% through consistent content creation, targeted campaigns, and leveraging AI tools for audience insights and automation.
- Improved website performance by optimizing code, reducing load times by 20%, and enhancing overall user experience.

October 2021 - January 2023 **Vodafone Ghana** Accra, GH

- **RF Engineer**
 - Analyzed scanner data and existing GSM and CDMA networks to maximize wireless network quality.
 - Identified causes of performance drops and solved issues to restore site performances.
 - Utilized Microsoft Excel for data analysis and monitored various radio parameters and channel-related.
 - Conducted drive tests in 8 regions in Ghana to determine the various KPIs in voice and data using Nemo Outdoor.
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TECHNICAL SKILLS AND SOFTWARE PROFICIENCIES

- Frontend: React • Next.js • React Native • HTML/CSS • JavaScript/TypeScript • Tailwind CSS • Expo
 - Backend: Node.js • Express.js • Next.js • API Routes • RESTful APIs
 - Automation & AI: n8n • Make • Langflow • Vapi.ai • Relevance Ai • OpenAI • Google Ai • CoPilot
 - Tools: WordPress • Canva • Photoshop • Office 365 • Slack • Googleworkspace • SocialMedia
 - Database: MongoDB • Mongoose • PostgreSQL
 - Auth: JWT • OAuth (Google, GitHub, etc)
 - Cloud & Deployment: AWS • Docker • Netlify • Render • Vercel • GitHub
 - Other: Project management • Postman • Git
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EDUCATION

Ghana Communication Technology University

November 2023

Bachelor of Science in Telecommunications Engineering; Second Class Honor

Mest Africa

May 2025

Web Development Training; Ongoing training in back-end web development using Node.js, Express.js and MongoDB

Berlin School of Business and Innovation

August 2026

MSc Information Technology Management

PROJECT EXPERIENCE

April 2025 – Present

AI Learning Management System (In Progress)

- **Description:** Building the backend of an AI-driven learning management system designed to deliver personalized course content and track user progress.
- **Tech Stack:** JavaScript (Node.js), MongoDB, Python, PHP (as needed through AI-assisted translation).
- **Features:** Built secure RESTful APIs, designed and implemented database schemas, and enabled adaptive learning features powered by AI integrations.
- **Outcome:** Improved system scalability, ensured fast and reliable data handling, and enhanced the platform's ability to personalize learning experiences for users.

June 2025

ProfileBot ([link here](#))

- **Description:** Building an AI-powered lead generation tool that scrapes websites and LinkedIn profiles to summarize relevant information for sales preparation and outreach.
- **Tech Stack:** Next.js, Relevance AI, n8n, OpenAI, Google AI
- **Features:** Automates data scraping and generates natural language summaries; includes a clean, responsive frontend with AI-generated images and icons.
- **Outcome:** Accelerated lead research and preparation by reducing manual effort; demonstrated strong full stack development skills and creative AI integration.

May 2025

Abeg (crowd funding)

- **Description:** Developing a fun mobile app designed for social media users to create lighthearted donation profiles. The goal is to give people a playful way to ask for small donations from friends or followers, just for fun.
 - **Tech Stack:** React Native (Expo), Node.js, MongoDB, Express.js, Firebase
 - **Features:** Users can set up profiles, share their donation links, and receive money directly through the app. It also includes a simple wallet system and a dashboard to track donations and engagement.
 - **Outcome:** Built as a side project to explore how people interact with money and humor online. The app encourages creativity and digital generosity in a fun and casual way. Currently still in development and being tested among friends for soft rollout on social platforms.
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ACHIEVEMENTS, AWARDS & CERTIFICATIONS

Vodafone Hackathon Top 15 • Udemy Web development 2022 • Udemy Ethical Hacking 2022 • Customer Service Foundations (LinkedIn)