

JAMES DONKOR

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SUMMARY

Skilled Software Developer with experience in web development, bot and automation developer proficient in multiple programming languages and frameworks with a strong foundation in computer science principles.

EDUCATION

Kwame Nkrumah University of Science and Technology

BSc Computer Science

Expected Graduation: Nov 2025

SKILLS

• Python • JavaScript • C • Django • Flask • REST APIs • React • Electron • SQL • Git/GitHub • Jenkins • CI/CD • Websockets • Load Balancing • Server Management • Bootstrap • Tailwind CSS • Collaborative • Smart worker • Problem Solving

WORK EXPERIENCE

Backend Intern, Insight Ghana (Whitebox Media) **Sept 2024 – Nov 2024**

- Developed secure authentication features for a voting system using Django, including user registration and login.
- Implemented Two-Factor Authentication (2FA) for enhanced security.
- Created RESTful API endpoints for seamless frontend-backend communication.
- Managed CRUD operations for user accounts and voting records.
- Collaborated with cross-functional teams to ensure project alignment.

Freelance Website Developer, Pizzaman Chickenman **Oct 2023 – Nov 2023**

- Developed a responsive, mobile-friendly restaurant website using React and Tailwind CSS.
- Enhanced client's online sales and customer engagement through improved UI/UX design.

Web Developer Intern, Inserviz Inc **Sept 2023 – Dec 2023**

- Assisted in the development of company website Handled website responsiveness
- Collaborated with the design and backend teams to implement new features and enhancement

PERSONAL PROJECTS

Premier League Insider (Python Automation Project) | [Link](#)

- Engineered an end-to-end automation pipeline to fetch Premier League news and match previews from RSS feeds and external APIs.
- Created Gemini AI client to generate authentic, style-adaptive articles directly from real news sources, with advanced prompt engineering for versatile writing styles.
- Implemented a Telegram DM review and approval workflow, allowing manual or automated publishing decisions.
- Automated publishing to Blogger, X/Twitter and EPL Insider Telegram channel, including image handling and hashtag extraction for optimized social media engagement.

Chat App | [Link](#)

- Developed a full-stack real-time chat application with user authentication.
- Utilized Django (REST API, Channels, JWT, Daphne) for the backend and React with Tailwind CSS for the frontend.
- Implemented features such as user registration/login, email verification, and two-factor authentication (2FA).
- Designed a WebSocket-based chat system for instant messaging and real-time communication.
- Created a responsive user interface and secure authentication flows, enhancing overall user experience.

Blog Website Project with Django and React | [Link](#)

- Developed a full-stack blog platform with user authentication, post creation, category filtering, and pagination.
- Implemented RESTful APIs with Django backend and a responsive React frontend.
- Implemented caching strategies to improve performance and reduce server load.
- Enhanced UI/UX with modern layouts, search, and category navigation.

CERTIFICATIONS

ALX Software Engineering Program | [Certificate](#)

12-month intensive program covering data structures, C, Python, database management, APIs, and system administration and infrastructure management