Frank Kelechi Oge

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Professional Summary

Dynamic Software Engineer and Data Analyst skilled in building web applications, analyzing data, and automating processes. Expert in Python, Django, MySQL, and modern front-end tools like Tailwind CSS and JavaScript. Known for creating efficient, user-friendly solutions and solving complex problems. Strong team player with clear communication and a drive to learn and innovate in global tech settings.

Technical Skills

- **Languages & Frameworks:** Python, Django, HTML, CSS, Tailwind CSS, JavaScript, React (Learning)
- **Databases:** MySQL (CRUD, Stored Procedures, Analytics)
- **Libraries & APIs:** Pandas, NumPy, Matplotlib, Chart.js, CCXT, Web3.py, PyMuPDF, pdfplumber, PyPDF2
- **Tools:** Git, GitHub, GitHub Pages, Railway, Hardhat, Celery, Redis
- **Concepts:** OOP, RESTful APIs, Data Analysis, Blockchain (eERC20), Automation, OCR Processing
- **Other:** Canva, Adobe Photoshop, Microsoft Office (Excel, Word, PowerPoint)

Professional Experience

Python Developer & Data Analyst

Caritas University, Enugu, Nigeria *2024 – Present*

- Built and maintained scalable backend systems with Python and Django, integrating secure APIs for real-time data.
- Designed MySQL databases with optimized queries and stored procedures for smooth data management.
- Created full-stack Django web apps with Tailwind CSS and JavaScript for responsive, user-friendly designs.
- Developed data dashboards using Pandas, Matplotlib, and Chart.js to visualize insights from large datasets.
- Automated workflows, cutting errors by 30% and boosting efficiency in data reporting.
- Built an AI-powered chatbot prototype with Python to improve user interaction.

Freelance Software Consultant

Remote *Ongoing*

- Created custom Python and MySQL tools to streamline client workflows and data processes.
- Developed a Telegram bot for crypto trading on Bybit using CCXT and Web3.py with RSI/EMA strategies.
- Designed logos and brand assets with Canva and Photoshop to enhance client branding.
- Delivered data analysis and visualization solutions to support small business decisions.

Peer Tutor

Caritas University, Enugu, Nigeria *Ongoing*

- Taught students Python, MySQL, HTML, CSS, and graphic design, improving their skills and project work.
- Used tailored teaching methods to drive better learning outcomes.

Education

BSc in Computer Science *2022 – 2026 (In Progress)*
Caritas University, Enugu, Nigeria
WASSCE & NECO *2022*

Saint Augustine Seminary, Ezzamgbo, Nigeria
Diploma in Latin *2021*
Saint Augustine Seminary, Ezzamgbo, Nigeria

Key Projects

- **ZK Compression Cost Visualizer**: Developed a Django web app with MySQL backend to calculate and display rent savings using ZK Compression. Integrated Chart.js for interactive visualizations and Tailwind CSS for a responsive, modern UI. Deployed on Railway, resolving database connection issues to ensure seamless performance. Enabled users to input data, view savings trends, and access historical records.
- **Private Loyalty Points System**: Built an eERC20-based blockchain application on Avalanche using Hardhat, Python, and Django. Designed a secure front-end with Tailwind CSS and JavaScript, allowing users to manage private loyalty points. Implemented smart contracts for secure transactions and integrated Web3.py for blockchain interaction, deployed successfully after resolving npm and Django errors.
- **HackerEdgeBot**: Created a Telegram bot for automated crypto trading on Bybit using Python, CCXT, and Web3.py. Incorporated RSI and EMA strategies for high-accuracy trades, with inline keyboards for user controls (start/stop trading, view reports). Stored transaction logs in JSON, delivering real-time trade updates via Telegram, achieving reliable performance for personal trading.
- **NFCS Website**: Designed a modern website inspired by edX, using Tailwind CSS, JavaScript, and Django. Implemented card-based layouts, a dark teal/orange color scheme, and dynamic PDF upload functionality with MySQL storage. Fixed slideshow image display issues and ensured responsive navigation for library, executive, and chapter pages.
- **Retail Store Database System**: Engineered a Python and MySQL system to automate inventory, sales, and customer data management. Optimized SQL queries and applied data normalization for efficiency, reducing manual errors by 25% and enabling real-time sales trend reporting for business decisions.
- **AI-Powered Chatbot**: Developed Python-based chatbots with OCR capabilities (using PyMuPDF, pdfplumber) to extract text from documents and provide interactive responses. Improved text extraction accuracy through image preprocessing, enhancing user engagement for academic and professional use cases.

Certifications & Achievements

- Leadership Award for excellent team coordination and project delivery.
- Hardworking Award for outstanding dedication.
- Grew "Everything Evolution" YouTube channel to 1,300+ subscribers and 200,000+ views in 2 months.

Soft Skills

- Leadership & Teamwork
- Problem-Solving
- Clear Communication
- Self-Learning & Adaptability

Languages

- English (Fluent)
- Igbo (Fluent)