

DZONTOH MAWULI WISDOM

Data Analytics Engineer | Full-Stack Software Engineer

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Professional Summary

Data-driven Software Engineer with 3+ years of experience designing and deploying scalable web and analytics solutions using Python, Django REST Framework, and Next.js. Spearheaded an NFC-based digital business card platform that reduced user onboarding time by 30% and improved data accuracy by 25%. Proficient in end-to-end API development, relational and NoSQL database optimization, and cloud deployments on AWS and Docker. Adept at Agile methodologies, cross-functional collaboration, and translating complex requirements into maintainable, high-performance code.

Core Competencies

Programming Languages: Python (Expert), TypeScript (Advanced), Java (Intermediate), C++ (Intermediate)

Backend & APIs: Django, Django REST Framework, FastAPI, Node.js (Familiar)

Frontend & UI: Next.js, React, JavaScript (ES6+), Tailwind CSS, Bootstrap, chadcn/ui

Databases & Data: PostgreSQL, MySQL, MongoDB, Turso; ORM: Django ORM, SQLAlchemy

Cloud & DevOps: AWS (EC2, S3, RDS), Docker, Vercel deployments; CI/CD pipelines

Data Analytics & Automation: Pandas, NumPy, Selenium, BeautifulSoup; ETL pipelines

Collaboration & Tools: Git/GitHub, JIRA, Agile/Scrum; strong code documentation practices

Professional Experience

Freelance Software Engineer | CBAM-Estimator GmbH (Germany)

Jan 2024 – Apr 2025

- Built automated invoice generation using Python and sevDesk API; reduced invoice processing time by 40%.

- Developed lead campaign pipelines integrating Turso DB, ChatGPT API, and Pipedrive; improved lead-conversion efficiency by 35%.
- Designed and maintained RESTful APIs with Django REST Framework, supporting 5+ endpoints for client data ingestion.
- Deployed containerized applications on AWS and Docker, achieving 99.9% uptime and facilitating zero-downtime releases.

Health Information Officer | Greater Accra Regional Health Directorate

Jun 2021 – Dec 2023

- Led data integrity audits across DHIMS2 systems, improving data accuracy by 15% for regional reporting.
- Developed ODK and Kobo Collect forms for field data capture; trained 50+ staff, reducing data entry errors by 20%.
- Automated KPI dashboards using Excel and SPSS macros, cutting reporting time from 3 days to 4 hours per month.

Selected Projects

NFC-Based Digital Business Card Platform

- Built a cross-platform mobile-web solution enabling NFC taps to auto-populate contact data.
- Implemented backend in Django REST Framework with PostgreSQL; frontend in Next.js with Tailwind CSS.
- Achieved a 30% faster onboarding process and onboarded 1,000+ users within first quarter.

AI Chatbot SaaS Application

- Developed a multi-tenant chatbot builder using Django REST Framework and Next.js.
- Integrated OpenAI API for domain-specific model training; enabled zero-code deployment.
- Scaled platform to support 500+ organizations, handling 10,000+ concurrent sessions.

Data Visualizer Dashboard Web App

- Created a dashboard generator allowing upload of CSV/Excel and real-time DB connections.
- Utilized React, chadcn/ui, and D3 for interactive charts; backend in DRF with Turso.

- Improved stakeholder insight generation, reducing analysis time by 50%.

Education & Certifications

- BSc, Computer Science | Ghana Communication Technology University (2023 – 2026)
- Diploma, Health Information Management | College of Health and Well Being (2018 – 2021)
- Software Engineering | Africa Leadership Union (2022 – 2024)
- Certifications: HHFA Data Collector; DHIS Customization; Python Programming Fundamentals

References

Available upon request