

# DZONTOH MAWULI WISDOM

Data Analytics Engineer | Software Engineer & System Manager

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Online Profiles: [GitHub](#), [LinkedIn](#), [Portfolio](#)

## Profile

Detail-oriented and results-driven **Full-Stack Developer** with 3+ years of professional experience, specializing in **backend development** and API integrations. Adept at building robust, scalable web applications using modern frameworks and cloud technologies. Skilled in designing RESTful APIs, managing relational databases, and deploying full-stack solutions with a strong emphasis on performance and maintainability.

Possess advanced proficiency in **Python** and backend frameworks such as **Django** and **FastAPI**, with working knowledge of **Laravel** and **Node.js**. Versatile in frontend technologies including **JavaScript**, **jQuery**, and **Bootstrap**, with a solid understanding of responsive design principles. Strong experience working with **MySQL**, **PostgreSQL**, and **MongoDB**, with hands-on expertise in schema design and data optimization.

Well-versed in **cloud infrastructure (AWS)**, containerization with **Docker**, and version control using **Git**. Familiar with Agile/Scrum methodologies and collaborative tools like **JIRA** and consistently recognized for delivering clean, maintainable, and well-documented code. Passionate about continuous learning, innovation, and delivering impactful software solutions that enhance user experience and business efficiency.

## Technical Skills Summary

### Programming Languages

- **Proficient in:** Python (Advanced), TypeScript, Java, C++
- **Web Development:** JavaScript (Vanilla), jQuery, HTML5, CSS3

### Backend Development

- **Frameworks:** Django, Django REST Framework, FastAPI, Laravel (familiar), Node.js (familiar), next js
- **API Design & Integration:**
  - Expertise in designing and building **RESTful APIs**

- Integration with third-party APIs such as **OpenAI (ChatGPT)**, **sevDesk API**
  - Strong proficiency in API testing using **Postman**
- **Web Scraping & Automation:** Selenium, Requests, BeautifulSoup
- **Data Analytics:** Pandas, NumPy

### Database & Data Management

- **Relational Databases:** MySQL (Advanced), PostgreSQL, SQLite3, Turso
  - Experience in schema design, query optimization, data integrity
- **NoSQL Databases:** MongoDB
- **ORMs:** Django ORM, SQLAlchemy
- **Data Handling:** Automated ingestion from CSV, Excel (XLSX), JSON

### Frontend Technologies

- **UI/UX Development:** JavaScript, chadcn, Bootstrap, Tailwind CSS (preferred)
- Familiarity with responsive design and cross-browser compatibility

### Deployment & Infrastructure

- **Cloud Platforms:** AWS (S3, EC2, cloudinary)
- **Containerization:** Docker
- **Deployment:** Experience in managing servers, deploying web apps using cloud services

### Version Control & Collaboration

- **Tools:** Git, GitHub
- **Workflow:** Git branching strategies (Git Flow), Agile/Scrum methodologies
- **Project Management & Communication:** JIRA

### Development Practices

- Strong foundation in **software design principles** and design patterns
- Committed to writing **clean, maintainable, and well-documented code**
- Excellent debugging and problem-solving skills
- Proactive in identifying and addressing system performance and scalability issues

### Soft Skills

- Strong communication and cross-team collaboration skills
- Ability to manage multiple tasks and meet tight deadlines

- Proactive and detail-oriented with a continuous learning mindset

## Relevant Projects

### Invoice Generator

- **Overview:** Developed an automated invoice generation system.
- **Key Contributions:**
  - Integrated Python with the sevdesk API for automating invoice creation.
  - Processed and transformed data extracted from Excel/CSV files into API payloads.
  - Implemented a robust solution to download and organize invoices based on date and time.
- **Technologies:** Python, sevdesk API, Pandas, CSV & XLSX handling

### Campaign Automation

- **Overview:** Built an end-to-end solution to streamline lead campaign processes.
- **Key Contributions:**
  - Automated data cleaning and integration by reading data from CSV/XLSX files and storing it in a Turso database.
  - Utilized the ChatGPT API to analyze and assign data attributes.
  - Seamlessly integrated with Pipedrive (CRM) and Lemlist for coordinated lead campaigns.
- **Technologies:** Python, ChatGPT API, Turso, Pipedrive API, Lemlist

### Web Scraping & Data Analytics

- **Overview:** Developed a web scraping tool to generate actionable leads.
- **Key Contributions:**
  - Automated extraction of web data using Selenium.
  - Employed a BK\_Tree algorithm for scoring leads based on defined metrics.
  - Integrated ChatGPT API to enhance lead scoring accuracy.

- **Technologies:** Python, Selenium, ChatGPT API

### AI Chatbot SAAS Application

- **Overview:** Developed a webapp AI chatbot assistant where users can create their personal chatbot, train them with data specific and deploy them into website and serve as customer support with proper documentation available.
- **Technologies:** Django rest framework, nextjs, OpenAI API. [View Demo](#)

### Data Visualizer Webapp

- **Overview:** Developed a webapp that allows users to create dashboards from their data. Users can upload excel or csv files and create a shareable dashboard to viewers and add collaborators. Additional features include connecting to data sources like databases using credentials or API URL and auth token
- **Technologies:** Django rest framework, nextjs, chadcn. [View Code](#) (not deployed yet)

### Expense Tracker Webapp

- **Overview:** Developed a webapp that allows users to track expenses. User friendly dashboard that displays expenses and income in various visualizers and trends
- **Technologies:** Django rest framework, nextjs, chadcn. [View Code](#)

## Professional Experience

### Software Engineer (Freelance) | CBAMESTIMATOR GmbH, Germany

2024 - 2025

- Designed and deployed scalable backend solutions using Python and Django.
- Developed and maintained RESTful APIs and efficient data pipelines.
- Created data-driven applications employing PostgreSQL and MongoDB to improve business operations.
- Successfully automated processes such as lead generation, invoice management, and email campaigns, resulting in measurable operational cost savings and efficiency gains.

## **Health Information Officer | Greater Accra Regional Health Directorate, Ghana Health Service**

*2021 – 2024*

- Managed large-scale health data systems and ensured data integrity using tools like DHIMS2, Excel, SPSS, and STATA.
- Developed digital tools for data collection (ODK, Kobo Collect, Google Forms) and provided training on data analytics.
- Conducted detailed data audits and KPI monitoring, facilitating data-driven decision-making in public health management.

### **Education**

#### **Ghana Communication Technology University (GCTU)**

Bachelor of Science in Computer Science (2023 - 2026)

#### **College of Health and Well Being**

Diploma in Health Information Management (2018 - 2021)

#### **Africa Leadership Union**

Software Engineering (2022 - 2024)

### **Certifications**

- HHFA Data Collector
- DHIS Customization
- Basics of Python Programming

### **Additional Experience & Tools**

- **Business Intelligence:** Familiar with Power BI and Python-based analytics for creating insightful visualizations.
- **Software Development & Research:** Contributed to multiple software projects including e-voting systems, e-commerce platforms, and health data management systems.

## **References**

### **Jocelyn Nii Laryea**

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