

Joy Wamaitha

BACKEND ENGINEER || DATA SCIENTIST

Nairobi, Kenya • +254741882520 • joyywamaitha@gmail.com

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

PERSONAL STATEMENT

I specialize in FastAPI, MySQL, and data-driven applications. I'm passionate about building scalable systems, optimizing performance, and turning complex data into actionable insights. Solving tough problems, making sense of messy data, and creating seamless backend systems that don't just work but flow, is what I do best. Always curious, always learning, and always ready to break and build.

SKILLS

- **Programming Languages:** Python, SQL, Javascript.
- **Backend:** FastAPI, Flask, Django, REST APIs.
- **Database Systems:** MySQL, PostgreSQL, Firebase.
- **Data Science:** Pandas, Numpy, Scikit-Learn, TensorFlow, Matplotlib, Seaborn.
- **Tools:** Git, Docker, Postman, Linux, AWS.
- **Soft Skills:** Problem-solving, Teamwork, Adaptability.

WORK EXPERIENCE

Seoul, South Korea

Sibel Health

2023 - 2024

Software Engineer Internship - Cloud

- I collaborated with team members to develop a secure API for upgrading the Sensor Firmware Version, improving backend readability.
- Optimized AWS infrastructure (Lambda, EC2, DynamoDB, S3) to improve system performance.
- Achieved 95% test coverage on Lambda functions, reducing failures and increasing efficiency.
- Enhanced data storage and retrieval by integrating AWS S3 and DynamoDB.
- Fixed UI bugs in React and Nuxt.js to improve frontend functionalities.
- Strengthened team collaboration through GitHub, Jira, and Confluence.

PROJECTS

DevTrack | [Link](#)

- An interactive dashboard that helps developers track, analyze, and visualize their coding habits and API usage. It offers real-time insights into user activity, enabling better workflow optimization and progress tracking.

Fruit Village | [Link](#)

- A web platform that simplifies the purchasing and sale of smoothies, fruits, and veggies. Buyers can browse, order, and track purchases in real-time for a seamless shopping experience.

House Price Prediction Model | [Link](#)

- A machine learning model that analyzes market trends and property features to make precise house price predictions. Helps buyers, sellers, and investors make data-driven decisions in real estate.

EDUCATION

Jan 2022 - Dec 2022

Akirachix - codeHive

Diploma in Information Technology

CERTIFICATIONS

Certificate in Data Analysis with Pandas and Python (Udemy)

Issued: August 2024

Certificate in AWS Beginner to Intermediate: EC2, IAM, ELB, ASG, Route 53 - (YouAccel Training on Udemy)

Issued: August 2024