ANTHONY GACHIE

BACKEND DEVELOPER

CONTACT

📞 +254-728-661-476

✉️ antogachie@gmail.com

📍 Nairobi., Kenya

🌐 www.antogachie.cloud

EDUCATION

2016 - 2021
EGERTON UNIVERSITY

- Bachelor of Arts

2024 - 2024
MORINGA SCHOOL

- Fullstack Software Development

SKILLS

- Web Frameworks: Flask, Django
- Databases: SQLAlchemy, SQLite, PostgreSQL
- Authentication: Argon2, JWT
- API Documentation: Flasgger
- Linux
- Git
- Teamwork
- Effective Communication
- Critical Thinking

LANGUAGES

- English (Fluent)

PROFILE

Detail-oriented Software Developer with a strong foundation in Python, Flask, SQLAlchemy, Django, and backend development, complemented by a background in social sciences. Adept at building scalable, user-centric applications with a deep understanding of human behavior, problem-solving, and data analysis. Skilled in translating complex technical concepts into clear, actionable insights for diverse stakeholders. Proven ability to collaborate across teams and adapt to fast-paced environments. Passionate about leveraging technology to create impactful solutions that address real-world problems.

WORK EXPERIENCE

Freelance Backend Developer
Online Classroom

SEPTEMBER, 2024

- Developed a scalable backend for an online classroom management system using Flask and SQLAlchemy, facilitating seamless interactions between students and instructors.
- Designed and implemented RESTful APIs for key features, including user authentication, course enrollment, assignment submissions, notifications, and grading.
- Integrated Argon2 for secure password hashing, ensuring high-level user data protection.
- Structured the database using SQLAlchemy ORM, supporting management of multiple entities such as students, instructors, courses, enrollments, submissions, and grades.
- Documented the entire API using Flasgger, providing comprehensive, interactive API documentation for developers and stakeholders, facilitating easy testing and integration.
- Conducted unit tests using pytest, ensuring high code quality and stability across critical features, covering all essential functionalities, and achieving over 90% test coverage.
- Set up CI/CD pipelines using GitHub Actions, integrating Pylint for automated code quality checks, ensuring adherence to best practices and standards.

Freelance Backend Developer
Real-Time Energy Logging System

NOVEMBER, 2024

- Designed and implemented a real-time energy logging solution using Confluent Kafka for high-throughput data streaming and Redis for rapid data caching, optimizing data retrieval times for energy consumption metrics.
- Streamlined data processing by offloading real-time data from Kafka to Redis, reducing dependency on slower relational databases like PostgreSQL and improving system efficiency.
- Enhanced system responsiveness and minimized latency, enabling near-instant access to live data for analytics platforms and user dashboards.
- Addressed scalability requirements for handling high-frequency data inputs, ensuring consistent performance under peak loads.