Agape Mugisha

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Business acumen, detail-oriented, and solutions-driven Backend Engineer and Data Analyst with proven expertise in designing, developing, and optimizing robust server-side applications. Skilled in creating RESTful APIs, database management, and implementing scalable architectures using Django REST Framework and Node.js with Express.js. Experienced in analyzing complex datasets to extract actionable insights, support data-driven decision-making, and improve business processes. Passionate about problem-solving, continuous learning, and leveraging technology to drive business success.

EDUCATION

ALIBABA BUSINESS SCHOOL ||Hangzhou Normal University).
Bachelor's degree, E-commerce and computer science.
Hangzhou, China.(2025)
ALX Academy(Hobelton school of engineering)
Software engineering,with a specialization in Backend Web Development - *April 2024 - January 2025.*

IBM Inc.
Software Engineering Specialization Program -
Remote
(in-progress)
Ecole Ssecondary NYAMIRAMBO
Diploma: Mathematics, Computer Science, and Economics - **First Class Honor**
Kigali, Rwanda
2022

SKILLS SUMMARY

- **Languages:** Python, Javascript, C, C++, R, SQL, HTML & CSS
- **Frameworks:** Django framework, Express.js
- **Tools:** Tableau, MySQL
- **Platforms:** Visual Studio Code, Postman, GitHub, Google Cloud.
- **Soft Skills:** self-determination, collaboration and teamwork, attention to detail, interpersonal skills, excellent communication, and business acumen.

EXPERIENCE

Backend Engineer— Posinnove
Remote (Rwanda) | April 2025 – Present

- Contributed to the development of a scalable EdTech platform using Node.js and Express.js, aimed at enhancing digital education access across Rwanda.
- Designed and maintained RESTful APIs to support core platform features such as user onboarding, course management, and progress tracking.
- Collaborated with a distributed team to review and optimize student-led tech projects, aligning them with industry standards and backend best practices.
- Participated in code reviews and agile sprint planning to ensure high code quality and timely delivery

Prompt Evaluation Analyst (Part-Time) — Innodata Inc.
Remote(USA | February 2025 – Present

- Evaluated AI-generated responses from large language models (LLMs) to ensure accuracy, coherence, and alignment with human-like reasoning.
- Assessed prompt quality and crafted diverse test cases to identify edge cases, inconsistencies, and response bias.
- Provided detailed feedback and performance evaluations to guide iterative model improvements.
- Collaborated with global teams to enhance prompt engineering strategies and refine model behavior for real-world applications.

Public Relations Specialist — Yhone Clothing Brand
Hangzhou, China | February 2025 – Present

- Managed public relations activities to promote brand awareness and maintain positive customer engagement.

PROJECTS

Stock Inventory management system API. |: Repo GitHub
- Designed and developed RESTful APIs to streamline stock tracking, inventory updates, and warehouse operations using the Django REST Framework (DRF).
- Implemented Role-Based Access Control (RBAC) for secure access management, ensuring distinct permissions for admin, staff, and warehouse personnel.
- Deployed and maintained APIs on the cloud platform Heroku, ensuring high availability and scalability for enterprise-level inventory operations.

Social media API | Repo GitHub
- Designed and built RESTful APIs to manage user profiles, posts, likes, comments, and followers using Django REST Framework (DRF).
- Implemented real-time features like notifications, direct messaging, and activity feeds using WebSockets and Django Channels.
- Integrated advanced search and filtering to enable users to discover profiles, hashtags, and trending content effectively.

Blog post API | Repo GitHub
- Developed and deployed RESTful APIs to manage blog posts, categories, comments, and user profiles using Django REST Framework (DRF).
- Implemented authentication and authorization with JSON Web Tokens (JWT), enabling secure user login, registration, and role-based access.
- Enabled advanced features like search, filtering, and pagination for efficient navigation and retrieval of blog content.

CERTIFICATES

- **Back-end web development (ALX Academy):** Mastered Django REST Framework, database ORM, SQL, and MongoDB. *January 2025.*
- **Building APIs with Django (Meta):** Mastered foundational Python syntax and advanced programming skills. *December 2024*
- **Professional data analytics certificate (offered by Google):** Analytical problem-solving techniques for effective reporting. *August 2024*