




ZAMZAM ROTICH

SOFTWARE DEVELOPER

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 Website


Profile

A passionate software developer with expertise in backend development, API design, and full-stack projects using Python, Django, and JavaScript. Skilled in building scalable, secure, and user-friendly applications. A strong collaborator who thrives in team environments and enjoys creating innovative solutions to solve real-world problems.

Work Experience

Backend Developer

Feb 2025 – present

Girwa Foundation 

Developing and maintaining backend systems for web applications using

Django.

- Designing and optimizing **REST APIs** for seamless data integration and retrieval.
- Collaborating with frontend developers to ensure smooth functionality of user interfaces.
- Implementing **database management solutions** with **MySQL** for efficient data storage.

Freelance Software Developer

Nov 2024 – present

Upwork

- Design, develop, and deploy multiple web applications for clients across different industries.
- Collaborate with teams to ensure scalable and maintainable backend systems.
- Provide ongoing support and enhancements to existing applications.

Education

Alx Africa

Oct 2023 – Nov 2024

Software Engineering

Nairobi

Specialization in Backend Development

University of Nairobi

Sep 2017 – Dec 2021

Bsc Food Science and Technology

Nairobi

Skills

Programming Languages — Python | JavaScript | SQL | C | HTML | CSS

Frameworks and Libraries — Django | Flask | Express.js | React | Node.js

Database Management — MySQL | MongoDB

Other Skills — | REST API | Postman | Version Control | Jira

Projects

JOB PORTAL APPLICATION [↗](#)

Ajira Bora (Django, React)

- Built a full-stack job portal to connect employers with candidates, featuring custom APIs using Django Rest Framework (DRF).
- Designed and implemented user registration, login, and profile management systems.
- Developed the Jobs module allowing candidates to submit detailed job applications.
- Integrated MySQL for efficient data storage and retrieval.

Bucketlist API [↗](#)

Django, Django Rest Framework

- Developed a RESTful API using Django Rest Framework (DRF) to manage bucket lists, allowing users to create, read, update, and delete items.
- Implemented token-based user authentication to secure API endpoints.
- Designed scalable endpoints to handle dynamic queries, ensuring a modular architecture for future enhancements.
- Demonstrated strong proficiency in backend development, API design, and Python frameworks.

FITNESS TRACKER [↗](#)

Tizi App (React, Node.js, Express, MongoDB)

- Developed Tizi App, a web-based fitness tracking platform that helps users log exercises, set goals, and track progress.
- Built an intuitive frontend using React for a seamless user experience.
- Developed secure authentication and user management using Node.js and Express.
- Integrated MongoDB to store user profiles, workout logs, and fitness goals.
- Designed a dashboard displaying exercise history and progress tracking to keep users motivated.

Certificates

- Alx Software Engineering Programme [↗](#)