LINUS OGERO BWANA

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PERSONAL DETAILS

Nationality: Kenyan
Languages: English, Kiswahili

PROFILE SUMMARY

Graduate with a Bachelor's degree in Electrical and Electronic Engineering, further certified in backend development from the ALX Africa bootcamp. For the past year, I have been actively building and documenting a portfolio of projects on my GitHub, which charts my learning journey and hands-on application. My technical skillset includes Python, Django, REST APIs, JavaScript, React.js, PostgreSQL, and Git & GitHub, Postman (API testing). I am seeking a collaborative software engineering role where I can leverage my technical adaptability, analytical foundation from engineering, and disciplined approach to develop impactful, scalable solutions.

SKILLS AND COMPETENCIES

Software Development

- **Backend:** Python, Django, Django REST Framework (DRF), API development

- **Frontend:** JavaScript, React.js, HTML, CSS

- **Databases:** PostgreSQL, SQLite

- **DevOps & Tools:** Git & GitHub, Postman (API testing), Docker, Kubernetes (learning)

- **API testing and Documentation:** Postman, Swagger

WORKING EXPERIENCE

1. **ALX-Africa | April 2025 - December 2025**
   Key Achievements
   - Built a complete Job Board Platform backend with Django and DRF, featuring secure JWT authentication, structured RESTful APIs, normalized database models, and automated workflows for job posting, application tracking, and user management.
   - Developed a full-featured AirBnB Clone using Django and DRF, implementing secure authentication and authorization with JWT, and applying clean, scalable system design principles.
   - Built a Messaging App that reinforced my understanding of Django models, database relationships, and efficient data structuring for real-time communication features.

- Designed and implemented RESTful APIs adhering to best practices in scalability, versioning, and error handling, ensuring seamless integration with frontend clients and third-party systems.
- Designed normalized database schemas with PostgreSQL, visualized using Draw.io, and optimized queries for performance and data integrity.
- Authored detailed API documentation using Swagger, improving collaboration and ease of integration for other developers.
- Tested and validated APIs with Postman, ensuring consistent endpoint behavior and system reliability across environments.
- Developed automated unit and integration tests using Pytest, achieving high code coverage and reducing errors.
- Containerized backend applications with Docker, standardizing development and deployment workflows for faster, more reliable releases.
- Experienced in using Git and GitHub for version control, managing source code efficiently and maintaining clean project histories

2. **Self-Taught Software Developer | Nov 2024 - Present**
   - Developed a Blog Application built on the backend with Django and Django REST Framework (DRF), implementing CRUD operations, comment functionality, and secure user management.
   - Built a Full-Stack Task Manager Application by integrating Django REST Framework (backend) with ReactJS (frontend), successfully linking the two layers to create a dynamic and interactive task-tracking system.
   - Implemented Robust Authentication and Authorization Systems using JWT, Token Authentication, and Session-based authentication, enhancing security and reinforcing a strong understanding of Django's authentication mechanisms.
   - Strengthened Core Programming Foundations through mastery of Python and JavaScript, developing a solid grasp of functions, loops, and object-oriented programming concepts and applying them to build clean, reusable, and efficient solutions.
   - Explored and Documented My Learning Path in Python, Django, Django REST Framework, JavaScript, and ReactJS, maintaining detailed documentation of progress and projects on GitHub to demonstrate consistent growth and technical depth.

EDUCATION BACKGROUND

2025:
- Back-end Developer - ALX Africa
- Professional Foundation - ALX Africa

2024:
- Cisco Certified Network Associate (CCNA)

2014-2019: Bachelor of Science, Electrical and Electronic Engineering, Jomo Kenyatta University of Agriculture and Technology (JKUAT).

2010-2013: Kenya Certificate of Secondary Education, Kisii School.

Soft Skills & Engineering Discipline

- Teamwork and collaboration
- Logical and analytical thinking
- Problem solving

CETIFICATIONS
- Backend developer
- Professional Foundation
- CCNA Certificate

PROJECTS

a) Job Board Platform
Built a complete Job Board Platform backend with Django and DRF, featuring secure JWT authentication, structured RESTful APIs, normalized database models, and automated workflows and rate limiting.
Technologies: Django, Django REST Framework, JWT, PostgreSQL, Postman, Swagger

b) AirBnB Clone
Developed a full-featured backend AirBnB Clone using Django and DRF, implementing secure authentication and authorization with JWT.
Technologies: Django, Django REST Framework, JWT, PostgreSQL, Postman, Swagger

c) Messaging App
Built a Messaging App that reinforced understanding of Django models, database relationships, and efficient data structuring for real-time communication.
Technologies: Django, Django REST Framework, JWT, PostgreSQL, Postman, Swagger

d) Blog Application
Developed a Blog Application built on the backend with Django and Django REST Framework (DRF), implementing CRUD operations and secure user management.
Technologies: Django, Django REST Framework, Session Based Authentication, PostgreSQL, Bootstraps

e) Full-Stack Task Manager
Built a Full-Stack Task Manager Application by integrating Django REST Framework (backend) with ReactJS (frontend).
Technologies: Django REST Framework, ReactJS, Bootstraps

REFERENCES
- Refences available on request