

PREVYNE OKECH ODHIAMBO

Python Backend Engineer | Internal Tools Developer

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SUMMARY

Python backend developer with strong skills in Django REST Framework and PyQt6 for desktop applications. Successfully delivered a responsive job board API and an AI-Powered skill-matching platform leveraging Scikit-learn, demonstrating ability to integrate machine learning with backend systems. Dedicated to developing innovative, high-performance backend services tailored to user needs.

TECHNICAL SKILLS

Programming languages: Python, JavaScript, SQL.

Frameworks: Django, Django REST Framework, PyQt6, Kivy, Flask.


Tools: Linux, Git, Docker, Kubernetes, Postman, Swagger, Celery, Redis, Nginx.

AI/Data: Scikit-learn, TensorFlow, Pandas.

SOFT SKILLS

Remote collaboration • Technical Documentation • Prioritization • Confidentiality & discretion • Proactive communication


TRAINING EXPERIENCE

 alx	Backend ProDev Engineering Fellow	Nairobi, Kenya 06/2025 - 10/2025
Advanced program builds professional backend web apps, emphasizing mastery in modern tech, frameworks, and DevOps for scalable, secure solutions. Combines technical skills with professional foundations.		
<ul style="list-style-type: none">Curated secure, well-documented RESTful APIs for server-client communication using Python and JavaScript.Implemented microservices architecture integrating third-party services to build scalable systems.Enhanced database performance with advanced SQL queries and optimized schemas.Leveraged Docker and Kubernetes for container orchestration, improving deployment efficiency.Utilized DevOps tools like GitHub Actions, Git, Celery, Redis, Nginx and Postman for continuous integration and deployment.Gained proficiency in Django framework for backend services.Maintained comprehensive technical documentation and progress logs to support project transparency.		

PROJECTS

Class Attendance management System	06/2025 - 07/2025
Developed a modern, intuitive desktop application to track student attendance efficiently. Built with Python and PyQt6, it provides a clean, intuitive interface for managing students, classes, and attendance records in CSV format.	
<ul style="list-style-type: none">Frameworks: PyQt6.Tools: PyQt Designer.Source Code: https://github.com/prevyne/lm-present.git.	
Project Nexus Job Board API	09/2025 - 10/2025
Designed a fully responsive database API for a job board platform using Django REST Framework. The API is structured using Django REST Framework and documented with Swagger API. It uses a token-based session authorization system and Simple-JWT for user authentication.	
<ul style="list-style-type: none">Frameworks: Django, Django REST Framework, Simple-JWT.Tools: Git, PostgreSQL, Celery, Redis, Postman, Swagger, CORS Headers.Source Code: https://github.com/prevyne/project-nexus-backend-for-a-job-board-platform.git.	
AI-Powered Job-Skill matching Platform	06/2025 - 07/2025
Developed an AI - powered job searching platform which tailors job recommendations to a jobseeker's profile leveraging a Scikit-learn token matching algorithm to match the jobseeker's skills to job descriptions.	
<ul style="list-style-type: none">Frameworks: Django, Django REST Framework, Bootstrap, Scikit-learn.Tools: Git, SQLite3.Source Code: https://github.com/prevyne/joblify-job-skills-matching-platform.git.	

EDUCATION

 Kabarak University	09/2020 - 12/2024
B.Sc. IT	
<ul style="list-style-type: none">Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Network Security, Artificial Intelligence.	

CERTIFICATIONS

Backend ProDev Engineer - ALX | Full stack Software Engineering - PLP | Professional Foundations - ALX | Virtual Assistant - ALX