PREVYNE OKECH ODHIAMBO

Software Engineer | Django REST Framework | AI Integration

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SUMMARY

Versatile full stack developer proficient in Python and JavaScript with extensive experience in Django REST Framework and responsive UI design using PyQt6. Skilled in building secure, scalable APIs with token-based authentication and integrating AI-driven features to enhance user experience. Adept at deploying and maintaining applications using Docker, Kubernetes, and CI/CD pipelines, ensuring robust performance and security. Driven to contribute technical expertise and collaborative skills to develop innovative banking applications at HFC Limited.

TECHNICAL SKILLS

Programming languages: Python, JavaScript, SQL.

Frameworks: Django, Django REST Framework, PyQt6, Kivy, Flask, React, Express, Node.

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   Nairobi, Kenya
ProDev Backend Engineering Fellow   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.

- 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.

- 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.

- Frameworks: Django, Django REST Framework, Simple-JWT.
- Tools: Git, PostgreSQL, Celery, Redis, Postman, Swagger (OpenAPI), CORS.
- Source Code: *https://github.com/prevyne/project-nexus-backend-for-a-job-board-platform.git*.
- OpenAPI Documentation: https://project-nexus-backend-for-a-job-board.onrender.com/api/docs/.

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.

- Frameworks: Django, Django REST Framework, React, 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

- 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