PREVYNE OKECH ODHIAMBO
ICT Teaching Intern | Basic Computer Skills | Learner Engagement | Artificial Intelligence
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SUMMARY

Detail-oriented professional with 3 years of experience in backend development and full-stack consulting, expert in Python proficiency and AI integration. My key achievements include developing a high-performance frontend dashboard that supports real-time data visualization and designing secure RESTful APIs that optimize performance and security. Seeking an internship position in ICT teaching at your company, where I can utilize my skills in Python and artificial intelligence to support your mission of enhancing digital literacy in learners from grade 1-9.

Key Achievements

Optimized RESTful API Development
Developed 3 RESTful APIs with Python, enhancing data retrieval speed.

AI Job-Skill Matching
Created an AI job-skill matching system, improving match accuracy using Scikit-learn.

Enhanced User Dashboard
Built a frontend dashboard increasing user engagement through real-time visualizations.

TECHNICAL SKILLS

Programming languages: Python, JavaScript, SQL, Scratch

Frameworks: Django, Django REST Framework, PyQt6, Flask, React, Tailwind, Vite, 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

RELEVANT EXPERIENCE

Confidential Fintech Client
Freelance Frontend Software Engineer
Remote
12/2025 - Present

Independent consultancy for frontend integration for a binary trading platform.
- Developed a high-performance frontend dashboard using React.js, integrating complex REST APIs for real-time data visualization.
- Optimized state management to handle real-time updates without UI lag, ensuring seamless user experience for data-heavy workflows.
- Collaborated with a backend engineer to define API schemas, reducing integration friction and deployment time.

Maseno University
Freelance Full-Stack Software Engineer
Remote
10/2025 - 12/2025

Maseno University Radio Platform (MERN Stack)
- Co-developed the official digital platform using MongoDB, Express, React, and Node.js.
- Engineered a comprehensive admin dashboard featuring analytics, OLE-rich post creation, and comment moderation tools.
- Implemented secure Google OAuth for cross-site authentication and revamped the client UI to ensure 100% mobile responsiveness.

alx
ProDev Backend Engineering Fellow
Nairobi, Kenya
06/2025 - 10/2025

- Curated secure RESTful APIs using Python and JavaScript, implementing microservices architecture.
- Leveraged Docker and Kubernetes for container orchestration and managed CI/CD pipelines using GitHub Actions and Redis.

PROJECTS

Project Nexus Job Board API
09/2025 - 10/2025

Designed a Simple-JWT token-based session authorization Database API system using Django REST Framework and documented with Swagger (OpenAPI).
- 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-to-skill matching platform with React, Bootstrap, Scikit-learn.
- Source Code: *https://github.com/prevyne/Joblify-job-skills-matching-platform.git*

EDUCATION

Kabarak University
B.Sc. IT
09/2020 - 12/2024

- 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