VINCENT MARUGE KANG'ETHE

ICT Officer | Backend Developer | Network Administrator|DataBase adminstrator

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GitHub: https://github.com/vincent8494

PROFILE

Self-driven and disciplined ICT professional with a strong academic background and hands-on experience in backend development, database administration, systems integration, and technical support. Proven ability to troubleshoot, customize, and optimize databases and applications in production environments. Committed to continuous learning, team collaboration, and delivering scalable, secure, and high-performance systems. Adept at aligning ICT solutions with institutional goals.

EXPERIENCE

County Government of Machakos — ICT Officer (Attachee)   **Apr 2023 – Jul 2023**

- Participated in database performance tuning and report generation.
- Assisted in user requirement analysis for internal tools.
- Contributed to ICT system testing, support ticket resolutions, and issue tracking.
- Collaborated with IT team to implement updates in line with data integrity and security protocols.
- Helped streamline data workflows between systems through basic API integrations.

Meganet Technologies — Network Administrator (Volunteer)   **Apr 2022 – Sep 2022**

- Configured and deployed LAN/WAN infrastructures across multiple client sites.
- Delivered custom networking solutions, reducing downtime by 20%.
- Provided backend support for small-scale systems including database setups using SQL Server and MySQL.
- Conducted system diagnostics and implemented basic automation scripts for backups.

EDUCATION

Machakos University   **Sep 2020 – Oct 2024**
Bachelor of Science in Mathematics & Computer Science

Ngenia Boys High School   **Jan 2016 – Nov 2019**

PROJECT HIGHLIGHTS & ADDITIONAL EXPERIENCE

- Inventory Management System: Developed a backend module using ASP.NET Core and SQL Server for a mock university system. Integrated reporting dashboards and custom queries.
- System Integration Demo: Built a student records API (REST) and integrated with a dummy billing system using JSON payloads.
- ERP Familiarization: Participated in simulated Oracle ERP labs during university coursework (HR and Procurement modules).

TECHNICAL SKILLS

- Databases: SQL Server, MySQL, MariaDB, PostgreSQL, SQLite, Oracle (Basic)
- Languages: C#, Python, JavaScript, PHP
- Frameworks: .NET, ASP.NET Core
- Tools & Systems: Git/GitHub, Visual Studio, RESTful & SOAP APIs, LINQ, ORM tools
- ERP & Application Servers: Familiar with Oracle ERP, IIS, Apache, Tomcat
- CI/CD & Automation: GitHub Actions, shell scripting, test environments, deployment pipelines
- OS & Platforms: Windows, Linux, Unix (user-level), Networking protocols

CORE COMPETENCIES

- Backend Development & API Integration
- Database Optimization & Indexing
- Systems Analysis & Requirements Mapping
- Software Testing & QA Documentation
- Application Troubleshooting & Bug Resolution
- Report Design & Data Analytics
- Secure Coding Practices & Audit Compliance
- Cross-functional Team Collaboration

CERTIFICATIONS

- Python for Data Science and AI Development – IBM
- Foundations: Data, Data everywhere – Google
- Technical Support Fundamentals – Google
- Being a Software Developer – Atingi
- Digital Safety and Security – Atingi
- Machine Learning Problem Framing – Atingi

LANGUAGES

- English: Fluent
- Kiswahili: Fluent

REFEREES

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