JEFF WAFULA WANJALA

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PROFESSIONAL SUMMARY

Software Engineer, ICT Support Specialist, and Digital Innovator with a strong foundation in full-stack software development and business information technology. Passionate about building impactful digital solutions, supporting reliable ICT operations, and leveraging technology to empower communities. Experienced in system support, software development, and collaborative problem-solving within academic and organizational environments.

EDUCATION

Moringa School
Software Engineering (Full Stack Development) — *Completed*

Mount Kenya University – Main Campus
Bachelor of Business Information Technology (BBIT) — *Completed*

EXPERIENCE

Masinde Muliro University of Science and Technology (MMUST) — Kakamega, Kenya
Attachment Trainee – ICT Department
May 2024 – August 2024

- Assisted in system maintenance, software installation, and hardware troubleshooting, ensuring uninterrupted ICT operations across the university.

- Supported network configuration and database-related tasks to improve system reliability and data integrity.

- Provided technical support and end-user assistance in collaboration with ICT officers, enhancing operational efficiency and user satisfaction.

- Gained hands-on experience in system monitoring, software configuration, and ICT infrastructure support in a large academic environment.

PROJECTS

Bus Booking System — *Team Member*

- Contributed to the design and development of a bus booking system that streamlined seat reservation and trip management processes.

- Collaborated with team members to implement core system features and improve overall system usability.

- Assisted in testing, debugging, and documentation to ensure system functionality and reliability.

Python Command Line Interface (CLI) Application — *Team Lead*

- Led the development of a Python-based command line application that automated key tasks through an intuitive terminal interface.

- Coordinated team activities, assigned tasks, and reviewed code to ensure quality and timely project delivery.

- Implemented core application logic and input validation, improving usability and execution efficiency.

Tree Planting Club Tracker System — *Team Leader*

- Spearheaded the development of a tracking system to manage tree planting activities, member participation, and progress reporting.

- Designed system workflows to support activity logging, reporting, and basic data analysis.

- Guided the team through planning, development, and testing phases, ensuring project objectives were met.

Activity Tracker CLI — *Team Leader*

- Led the development of a command line-based activity tracking application to monitor user tasks and daily activities.

- Implemented features for activity logging, updates, and summary reporting via a simple CLI interface.

- Oversaw project planning and execution, ensuring clear documentation and maintainable code structure.

TECHNICAL SKILLS

Software Development:
Python, JavaScript, HTML, CSS, React

Database Management:
MySQL, PostgreSQL

System Support & ICT Operations:
Network Configuration, Troubleshooting, System Installation, ICT Infrastructure Support

Tools & Frameworks:
Git, GitHub, Linux/Ubuntu, Visual Studio Code, Figma, Postman

Platforms:
Linux (Ubuntu), Windows

SOFT SKILLS

- Problem Solving
- Analytical Thinking
- Communication
- Team Collaboration
- Adaptability
- Time Management

CREATIVE & DIGITAL SKILLS

- Photography
- Videography
- Social Media Management