

DANIEL MUUO MUUMBI

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CAREER OBJECTIVE

Motivated and detail-oriented individual, seeking a junior software engineering role to leverage my skills in backend development, frontend development, web technologies, and system administration. I aim to contribute to innovative projects and continuous learning within a dynamic team environment.

SKILLS

Programming Languages: Proficient in Python (with Flask), JavaScript (React, Node.js, jQuery), and C

Operating Systems: Comfortable with Linux environments and command-line tools.

Web technologies: HTML, CSS.

Database Management: Experience with MySQL.

System Administration: Linux shell scripting

Version control: Git, GitHub

Containerization: Docker

Web Servers: [Apache, Nginx]

Team collaboration tools: Slack, Discord, Trello

PROFESSIONAL ATTRIBUTES

- Independent and self-sufficient in completing tasks
- Collaborative and able to work in teams or groups
- Motivated and always willing to learn new things
- Excellent verbal and written communication skills
- Flexible and open to change

WORK EXPERIENCE

Health Hub Website(ALX Software Engineering)

March 2024 - Apr 2024

Developed a health hub website.

Shell Project(Multimedia University of Kenya)

Sep 2023 - Dec 2023

Created a shell program in C for a university project.

Key Achievement (s)

- Built a comprehensive health hub website, enhancing user engagement and accessibility to health resources.
- Successfully developed a functional shell program, demonstrating strong programming and problem-solving skills.

Featured Projects

Project title: health-hub

[https://github.com/ Danmuumbi/Health-Hub-Web](https://github.com/Danmuumbi/Health-Hub-Web)

Technologies used: Python with Flask, HTML, CSS, jQuery, MySQL, SQL Alchemy ORM, JWT

- Developed a comprehensive platform designed to streamline the process of accessing health resources

Project title: Simple Shell (Built with C) [https://github.com/ Danmuumbi/simple_shell](https://github.com/Danmuumbi/simple_shell)

Developed a basic Unix shell using the C programming language. This project aimed to emulate the behavior of a command-line shell, providing a command-line interface for user interaction.

Key features include:

- **Command Execution:** Allows users to execute built-in and external commands by typing them into the shell.
- **Parsing and Tokenization:** Breaks down user input into commands and arguments using whitespace as delimiters.
- **Process Management:** Uses system calls to create child processes for command execution, handling tasks like fork (), exec (), and wait ().
- **Error Handling:** Provides feedback for invalid commands and manages errors gracefully.
- **Built-in Commands:** Includes support for simple built-in commands such as cd, exit, and help.

EDUCATION

- **ALX Software Engineering Program – current student | Ends by Sept 2024**

Full stack software engineering, Computer Science Fundamentals, later a specialized in back-end development, systems engineering for further backed skills.

- **Multimedia University of Kenya, Graduating 2027.**

Bachelor's Degree in Mathematics and Computer Science.

- **Kenya Certificate of Secondary Education, Ngoto Boys High School, 2022.**

Scored a B (minus).

CERTIFICATIONS

- The Fundamentals of Android development(Udemy Bootcamp)
- Python(Udemy Bootcamp)
- Excel Fundamentals (Corporate Finance institute)