

DANIEL MWANGI THIONG'O

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PROFESSIONAL SUMMARY

As a dynamic and highly motivated Computer Science and Software Engineering graduate adept in JavaScript and React for interactive and scalable user interfaces, proficient in Python and Flask for full-stack software development and crafting visually appealing web pages using HTML and CSS and also using frameworks such as Tailwind and Bootstrap. I am also proficient in database management systems such as MySQL and PostgreSQL, with a strong grasp of data modelling and optimization techniques. I have experience in networking principles and proficient in hardware and software management, ensuring seamless integration and optimal performance. Additionally, I am proficient in Google Suite and Microsoft Office applications for productivity and collaboration and well-versed in inventory management practices. With a fervent passion for innovation and a knack for problem-solving, I excel in collaborative environments, leveraging my technical expertise to develop scalable solutions and drive project success.

SKILLS

- Programming Languages - JavaScript, Python, PHP.
- Web Development – Flask, React, HTML, CSS.
- Database Management – SQL, MySQL, PostgreSQL.
- Rest API using Postman and Thunderclient.
- Software configuration and deployment.
- Software Development Tools - Git
- Operating Systems – Linux, Windows
- Microsoft Office and Google Suite.
- Network administration.
- Software and hardware management.

PROJECTS

Online House Renting Website

- I designed and developed a responsive house renting website using React as Front-end and Python and Flask as Backend and using CSS for styling.
- I implemented user authentication and authorization features using JWT authentication tokens.
- I managed database operations using MySQL storing houses and user information.
- The website allows users to search for vacant houses according to the house type, location and price.
- The website also enables house owners to post their houses there and they can communicate with house searchers.

Recipe Web Application

- I designed and developed a responsive recipe website using React, JavaScript, Python, Tailwind CSS.
- I implemented user authentication and authorization features using JWT authentication tokens and email authentication.
- I managed database operations using PostgreSQL.
- I deployed the application using Render and Vercel.
- I integrated Lipa na Mpesa payment method using the Daraja API.
- The website helps users to discover, organize and share their favorite recipes and also purchase a variety of healthy and easy to prepare meal plans.

Inventory Management System

- While working at Ubuntu I was able to implement an automated, secure, accurate and easy to use inventory tracking system using google sheets with restricted user access and privileges.
- The system enabled the organization to track finished products and raw materials quantities without having to use paperwork, which was easier and accurate.

EDUCATION BACKGROUND

Bachelor of Science in Computer Science : University of Embu : 2015 – 2019

Software Engineering Certification : Moringa School : 2023 – 2024

WORK HISTORY

Information Systems Technician and inventory

Ubuntu Pure Fresh Water Limited: August 2021 – September 2022

Duties and Responsibilities

- Keeping track of inventory in terms of raw materials and finished products.
- Filling and managing invoices.
- Writing requisitions.
- Designing an automated, easy to use and secure way of tracking inventory using google sheets.
- Managing and maintaining the organization's network infrastructure, including routers, switches, firewalls, and wireless access points.
- Providing technical support for both hardware and software systems, including troubleshooting and resolving technical issues promptly

Sweetworld Supermarket: February 2021 – August 2021

Duties and Responsibilities

- Serving customers at the Point of Sale terminal.
- Tracking inventory using QuickBooks.

ICT Attaché: May 2018 – July 2018

Spidernet Networks Limited Kitengela

Duties and Responsibilities

- Internet installations and troubleshooting.
- Hardware repairs and software installations and updates.

LANGUAGES

- English(Fluent).
- Kiswahili(Fluent).

REFEREES

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