Sifiso Sithole

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EDUCATIONAL BACKGROUND

University of South Africa – Johannesburg, South Africa
Diploma in Information Technology
From 2020 - To 2024

ALX Holberton – Nairobi, Kenya
Software Engineering Bootcamp
From April 2022 – To July 2023

edX Darthmouth – Online
C Programming with Linux Professional Certificate
From 2021 – To 2021

CTU Training Solutions – Johannesburg, South Africa
NQF 5 Systems Support
From 2016 – To 2017

SKILLS

- Proficiency in HTML, CSS, and JavaScript
- Knowledge of back-end development technologies such as Node.js (Express), Python (Django/Flask).
- Understanding of database management systems, including SQL (e.g., MySQL, PostgreSQL) and NoSQL (e.g., MongoDB, Redis)
- Familiarity with version control systems like Git.
- Ability to implement responsive web design techniques for cross-platform compatibility.
- Understanding of web security best practices and protocols.
- Proficiency in debugging and troubleshooting code.
- Strong problem-solving and analytical skills
- Ability to work with server-side languages (e.g., PHP, Python, Node.js)
- Understanding of web performance optimization techniques
- Effective communication and collaboration skills within a team environment.

PROFESSIONAL WORK EXPERIENCE

Electronic Toll Collection
Location (Centurion, South Africa)
From Jun 2017 to Jun 2020

Data capture (quality checker)
- Check if all summons files are ready to be dispatched.
- Check errors and missing information in the files.
- Prepares source data for computer entry by compiling and sorting information, establishing entry priorities.
- Secures information by completing database backups.
- Maintains operations by following policies and procedures; reporting needed changes.
- Maintains customer confidence and protects operations by keeping information confidential.
- Contributes to team effort by accomplishing related results Goods needed.

Obsidian Systems
Location (Honeydew, South Africa)
From Mar 2016 - To Mar 2017

RedHat System Administrator (Learnership)

- Acquired hands-on experience in configuring and monitoring Linux (Red Hat) networks, including setting up network interfaces, configuring IP addresses, managing firewall rules, and troubleshooting network connectivity issues.
- Demonstrated proficiency in understanding hardware components relevant to Linux systems, such as storage devices, network interface cards, and peripheral devices. Additionally, adept at user administration tasks, including creating and managing user accounts, setting permissions, and implementing security policies.
- Developed strong skills in installing and updating software packages via the terminal, utilizing package management tools such as YUM or RPM. This includes understanding dependencies, resolving conflicts, and ensuring system stability during software installations and updates.

RELEVANT PROJECTS

Clinic Management System
From Mar 2023 – Apr 2023

- Web application designed to assist clinics in managing appointments and medical records efficiently and systematically.
- Implements access control for four account types: admin, receptionist, doctor, and patient, ensuring appropriate permissions and security measures are in place for each user role.
- Enables patients to easily schedule appointments and access their medical records electronically.
- Facilitates clinic staff in seamless management of appointments, patient records, and medical history.

Tools used: HTML, CSS, JavaScript, Python, Flask, MySQL
Project Link:
https://github.com/SifisoSithole/Clinic_management_system/tree/main

PropertyNow
From Jun 2023 – Jul 2023

- Contributed to the development of Property Now, a dynamic property listing web application.
- Key role involved designing and implementing crucial models such as User, Property, Storage, and LRUcache, utilizing Object-oriented principles.
- Made a significant impact by ensuring seamless communication between the back-end and storage system through the Storage model.
- Provided valuable assistance to teammates in managing routes, contributing to the successful outcome of the project.
- This experience enhanced skills in web app development, Object-oriented design, and teamwork.

Tools used: HTML, CSS, TypeScript, Python, Vue.JS, Flask, MongoDB
Project Links: Front-end - https://github.com/Benterf123/propertynow-frontend
Back-end - https://github.com/dzooosh/PropertyNow

LANGUAGES

isiZulu
English