



Muziwandile Nkomo

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ABOUT ME

An experienced Dev Ops Engineer adept at guiding design teams, testing existing software, deploying changes to enhance the IT infrastructure, and assessing and establishing security protocols. I'll find ways to automate manual processes and save the company time and money

WORK EXPERIENCE

Software developer

WozaTel [13/05/2019 – 17/10/2020]

City: Bulawayo

Country: Zimbabwe

- Built modern applications using MySQL, Java, SQL server, and Spring and supported the company's development and testing processes
- Developed effective microservices and web services and created a series of unit tests to ensure that the projects passed all quality benchmarks
- Worked with a team of expert coders to write maintainable code and maintain existing software to improve performance and fix bugs
- Consulted with clients to identify their projects' specifications and follow up with deployed applications' status and any technical issues
- Developed expertise in CRM and gained trust in clients

Devops engineer

BushCyber [15/12/2020 – 28/07/2021]

City: Pretoria

Country: South Africa

- Identified manual processes that could be automated to enhance speed or save money; considered the entire company IT infrastructure when designing improvements
- Monitored and regularly updated essential sections of code; designed, built, and tested proposed changes to existing software
- Oversaw and managed the development, computer coding, testing, and deployment operations of multiple teams
- Assisted with the setup of a cloud-based system and the successful migration of all relevant data
- Prepared systems testing reports for review by upper-level management

EDUCATION AND TRAINING

BSc Computer Science

National University of Science and Technology [14/09/2018 – 14/07/2022]

Address: P.O. BOX AC 939 Ascot, 00000 Bulawayo (Zimbabwe)

<https://www.nust.ac.zw/>

Field(s) of study: Information and Communication Technologies

Final grade : 2.2 – Level in EQF: EQF level 8

Thesis: Traffic Sign Detection using AI

LANGUAGE SKILLS

Mother tongue(s): **Ndebele**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

DIGITAL SKILLS

My Digital Skills

NoSQL Database MongoDB DynamoDB / Spring (Core, MVC, Spring Data, Batch, Security) / C++ / Linux / Ruby Scripting / Bash-Script / Git / Programming Languages : Python, PySpark, SQL, C, C++, Java, ReactJS

Programming Languages

Java Oracle / Terraforms / Javascript / Python

Backend

Basic - Groovy / Apache, Nginx , Tomcat, Node.js / Tensorflow, Keras, OpenCV, Git, AWS, Selenium, Docker, Kubernetes / Continuous Integration (CI) and deployment (CD) (Jenkins Github Actions GitLab / Containerisation: Docker, Docker-Compose

PROJECTS

Traffic Sign Detection using AI

[13/06/2020 – 17/09/2020]

Real time detection of traffic signs using Neural Networks and computer vision. Able to classify 43 different classes of traffic signs from GTSDB in real time

<https://github.com/Muzi12345632/TSR-Deploy>

Reinforcement Learning Ai

[14/08/2020 – 07/01/2021]

Reinforcement learning is an area of machine learning concerned with how intelligent agents ought to take actions in an environment in order to maximize the notion of cumulative reward. The purpose of reinforcement learning is for the agent to learn an optimal, or nearly-optimal, policy that maximizes the "reward function" or other user-provided reinforcement signal that accumulates from the immediate rewards. Reinforcement Learning also finds application in self-driving cars to train an agent for optimizing trajectories and dynamically planning the most efficient path.

https://github.com/Muzi12345632/Reinforcement_Learning_AI