THEMBA NTULI

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Education

Umuzi   **May. 2021 – May 2022**
National Certificate in Information Technology (System Development)   *Johannesburg*

Relevant Coursework

- Database Development
- OOP
- Test-driven development
- Version Control
- Node
- API basics
- CSS architecture
- Software Architecture

Projects

Portfolio Website ⭘ https://themaja.github.io/ | *JavaScript, GitHub-Pages, HTML, css*   **june 2021**
- Developed the website using JavaScript, HTML and css grid.
- Implemented GitHub-Pages to host it online as a static website.
- Used Linux tools e.g, nodejs and live-server to test and debug code on the site.
- Used vscode editor to write the code and GitHub for version control of test feature's.

Morse Code ⭘ https://github.com/Umuzi-org/ | *JavaScript, nodejs*   **September 2021**
- Created a function that converts morse code to letters and numerals and vice versa.
- Implemented 'for' loops on the function.
- Used objects to store morse code symbols.

string-calculator ⭘ https://github.com/Umuzi-org/ | *Javascript, nodejs*   **October 2021**
- Created an add function that handled integers passed in as strings.
- Understanding of regular expression methods was demonstrated within the project
- The Project was done in a TDD manner utilising jasmine testing framework.

Semitone difference algorithms and GUI ⭘ https://github.com/Umuzi-org/ | *Javascript, nodejs, JQuery*
- Designed a simple application that a musician can use to test their music theory skills.
- Used JQuery to create a GUI that supports actions such as input, click and a button.
- Implemented object-oriented programming practices such as objects to select different music notes.

Technical Skills

Languages: JavaScript, Bash, C, HTML/CSS, Python, SQL
Developer Tools: VS Code, nodejs, Chrome DevTools
Technologies/Frameworks: Linux, Jenkins, GitHub, JQuery, Angular

Summary

I'm a software programmer, passionate about software development and cybersecurity. I admire companies that have robust security systems for the prevention of cyber-crime. In the long-term, I want to have made my own contributions to the development of software products and security technologies. I have been studying web development since 2019 and I develop in both Javascript and Python, though I primarily use Javascript.