

Sifiso Smangaliso Dladla

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<https://github.com/Usmanga-28> | **Portfolio Website:** <https://smangalisodladla.netlify.app>

OBJECTIVE

As a motivated Graduand of a bachelor's degree in information technology at the Richfield Graduate Institute, I am actively seeking a software engineering internship opportunity. I have developed a strong foundation in various programming languages, including C++, C#, PHP and Java, and possess practical experience in web development technologies such as HTML, CSS, and JavaScript.

My academic and technical competencies have equipped me with the skills necessary to contribute effectively to real-world projects. I am dedicated to continuous learning, fostering innovation, and collaborating with peers to develop impactful software solutions. I aim to leverage this internship opportunity to gain valuable practical industry experience while contributing positively to the projects undertaken by the organization. **SKILLS**

TECHNICAL SKILLS

Programming Languages

- **PHP:** Intermediate
- **Java:** Intermediate
- **JavaScript:** Intermediate
- **C#:** Intermediate
- **C++:** Intermediate

Web Development

- **HTML/CSS:** Intermediate
- **JavaScript:** Intermediate

Frameworks:

- **React:** Basic

Database Management

- **SQL:** Intermediate

EDUCATION

Richfield Graduate institute:

- *Bachelor Of Science in Information Technology, 17 distinctions*

JG Zuma Secondary school:

- National Senior Certificate

PROJECTS

QR Code Scanner

A QR code scanner app is a mobile application designed to read and interpret QR codes. QR codes (Quick Response codes) are two-dimensional barcodes that contain information such as website URLs, contact details, text, and more. Here's a breakdown of how a QR code scanner app works and its main features:

- **How It Works: Camera Access:** The app uses your smartphone's camera to scan the QR code. When you open the app, it activates the camera and frames the code within a designated area.
- **Code Detection:** The app processes the image captured by the camera to identify the QR code. It uses algorithms to decode the black-and-white pattern into meaningful data.
- **Data Interpretation:** The decoded information is then displayed on the screen. This could be a website link, a contact card, text, or other data.
- **Action:** Based on the type of information, the app might prompt you to take a specific action. For example, if it's a URL, it might ask if you want to open it in your browser.

Mzansi-Flix Streaming

Mzansi-Flix Project Description Mzansi-Flix is an experimental streaming platform project with the goal of developing a web application served by ReactJS and powered by the Spring framework. The project will set up a REST API to manage users, profiles, videos, support tickets, notifications, subscriptions, and a history of entries.

Key Technologies Used:

- Frontend: ReactJS
- Backend: Spring Framework (Spring Webflux, Spring Mail, Spring Validation)
- Database: MongoDB (or any other preferred database)
- Video Encoding: ffmpeg
- TypeScript
- Java
- SCSS
- Dockerfile

- HTML
- JavaScript

Personal Website

- Developed a personal website using HTML, CSS, and JavaScript to showcase my skills and projects.
- Designed a user-friendly interface to enhance user experience and accessibility.
- Implemented responsive design techniques to ensure compatibility across various devices and screen sizes.