

# Sbusiso Mabena

*Junior Software Developer*

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<https://github.com/SbusisoMabena>

## Career Objective

Passionate software development graduate with work experience offering a strong foundation in software development and programming principles across multiple programming languages and platforms seeking a position where I will build on my skills and experience and allow me scope for upward movement.

## Related Experience

**Imagin8, Johannesburg**

**Junior Software Developer**, January 2020 - Present

### Key Responsibilities

- Developing and maintaining internal and client web applications in Object Oriented PHP, Javascript and MySQL.
- Securely integrating with multiple 3rd party services including the Payfast, MyGate and Ozow payment gateways.
- Liaising with the project manager to identify system requirements, clearly identify features and construct a clear work breakdown structure and provide time estimates for the tasks.
- Implementing a software testing and quality assurance culture where code is accompanied by automated unit tests to ensure the reliability of code in production.

### Key Achievements

- Refactored a bulk SMS system to send batches with more than 3000 SMSes per batch at once without a server timeout which is a 600% increase from the previous limit of 500 per bulk.

- Introduced the MVC design pattern and the test driven development concept as a way to develop reliable software and separate concerns which significantly improved code readability, extensibility and maintainability.
- Saved the company costs on outsourcing data by building a set of data aggregating scripts in Python to collect, clean up and store data for the vehicle analytics system.

## **Imagin8, Johannesburg**

**Intern**, September 2019 - December 2020

### **Key Responsibilities**

- Developed a traffic fines management dashboard in PHP using the Laravel framework.
- Support the development team with tasks and research.

## **Education**

**National Diploma Information Technology, Software development**

**Tshwane University Of Technology, Emalahleni Campus**

January 2017 - December 2019

- Heavy focus on software development and involvement in all the stages of the software development life cycle.

### **Relevant course work**

- Object oriented programming concepts using C++
- Systems analysis and design
- Project management
- Relational database design and management
- Networking and server administration
- Built a web application that connects students that need industry exposure with companies that need interns for a senior year project

## **Skills**

- PHP, Python, Java, Javascript, C++, HTML, CSS, SQL (Oracle and MySQL)
- Bash scripting on Unix systems
- Teamwork
- Interpersonal communication skills

- Practical knowledge of relational database concepts
- Knowledge of software design principles