

# GABRIEL SHODERU

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I am a Masters candidate in Computer Science seeking to leverage my academic background and knowledge in software engineering. Eager to embark on a dynamic career, I am enthusiastic about contributing to innovative projects and further developing my skills in full stack development. My goal is to gain valuable work experience while enhancing my interpersonal skills, with a keen focus on achieving professional growth and making meaningful contributions to the field.

## EXPERIENCE

2022 - July 2023

### TUTOR, UNIVERSITY OF PRETORIA

Program design: Introduction (Object Oriented Programming)

- Guided students in mastering core Object-Oriented Programming principles, fostering a deep understanding of concepts such as inheritance, polymorphism, and memory management.
- Mentored students, resulting in their continued success and achievement in their respective fields of study.

2021 - 2022

### IT LAB ASSISTANT, UNIVERSITY OF PRETORIA

I worked as an IT Lab assistant at the Mamelodi campus of the University of Pretoria.

- Ensured optimal system functionality by conducting routine hardware checks and configuring software applications for campus events.
- Monitored and supervised student activities in computer labs, enforcing protocols and efficiently managing student queries, both remotely and in person.

2020

### TUTOR, UNIVERSITY OF PRETORIA

Imperative Programming

- Illustrated the complete program development process, from problem-solving to editing, compiling, running, and debugging.
- Demonstrated the integration of programming language elements, covering types, control structures, arrays, functions, and libraries.
- Contributed to team-based grading of practical and tutorial sessions, providing valuable insights while supervising students for an effective learning environment.

2018

## **JCP PROJECT, UNIVERSITY OF PRETORIA**

Community-based project (Volunteer)

- Participated in systematic collection, storage, retrieval and use of academic books.
- Managed and organized access of information.

## **EDUCATION**

### **Current Engagement**

**MSc Candidate in Computer Science, University of Pretoria**

### **Recent Degree**

**BSc Honours in Computer Science with Distinction, University of Pretoria (2023)**

### **Previous Engagement and Degree**

**Software Engineering, University of Pretoria (2022)**

**Bachelor of Information Science in Multimedia, University of Pretoria (2021)**

### **Secondary Education**

**National Senior Certificate, Pretoria Institute of Learning (2015)**

- Top Learner in Mathematics, Physical Science, Life Science, Computer Application Technology and Geography.
- Award in recognition of being the Head Boy.

## **PROFESSIONAL CERTIFICATIONS**

**AWS Solutions Architect Associate**

Student member

**AWS CLOUD PRACTITIONER**

Completed

**ALX-T FULL STACK DEVELOPER NANODEGREE PROGRAM**

Completed

**JAVA ASSOCIATE**

Student member

## **SKILLS**

**Programming Languages:** Proficient in Angular, Assembly, C++, HTML, CSS, Java, JavaScript, Nestjs, PHP, Jupyter Lab, Python, React, TypeScript.

**Database Management:** MySQL, PostgreSQL

**Operating Systems:** Ubuntu, Windows

**Time Management:** Utilize advanced time blocking techniques to enhance productivity in programming and project management.

**Communication and Interpersonal Skills:** Known for efficient communication, strong leadership abilities, and adept problem-solving.

## **HOBBIES**

**Soccer, Music** (Whether discovering new genres or enjoying timeless classics, music serves as a constant source of inspiration and relaxation in my life), **Gaming** (I find immense enjoyment in online multiplayer

gaming, with PUBG being a go-to choose for its dynamic and competitive nature. Additionally, I indulge in strategic thinking and friendly competition through classic games like Monopoly, adding a fun and social dimension to my leisure time.)

## REFERENCES

Mrs Seani Rananga

(Past Lecturer)

Computer Science

University of Pretoria

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Dr. Abiodun Modupe

(Academic Supervisor)

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