

GABRIEL SHODERU

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Mastercard Foundation Scholar and MSc Candidate in Computer Science with a strong background in software engineering and full-stack development. Experienced in Magento, React, and cloud technologies, with a passion for building scalable solutions. Actively contributing to innovative projects while refining technical and leadership skills. Eager to drive impactful solutions in the tech industry.

EXPERIENCE

SOFTWARE DEVELOPER INTERN

Consnets | August 2024 – February 2025

- Developed and maintained Magento-based e-commerce solutions, including a custom Sales module for processing order data, enhancing functionality with database schema modifications and repository-based data retrieval.
- Managed Docker-based Magento environments with WSL and Warden, contributed to upgrading Magento from 2.4.2-p1 to 2.4.7-p2, and resolved UI/UX issues such as pagination and layout improvements.
- Followed Git branching strategies for structured development, participated in code reviews, and ensured adherence to Magento best practices and clean coding principles.

TEACHING ASSISTANT

University of Pretoria | 2022 - July 2023

- 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.

IT LAB ASSISTANT

University of Pretoria | 2021 - 2022

- 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.

TUTOR

University of Pretoria | 2020

- 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.

JCP PROJECT

University of Pretoria | 2018

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 | Mastercard Foundation Scholar

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 and Frameworks: Proficient in Angular, Assembly, C++, HTML, CSS, Java, JavaScript, Nestjs, PHP, Jupyter Lab, Python, React, TypeScript, Magento.

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

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(Academic Supervisor)
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