

SIMPHIWE NDLOVU

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Results-driven Full-Stack Developer with a strong passion for programming and a commitment to delivering innovative and efficient software solutions. Seeking a challenging role where I can utilize my expertise in frontend and backend development, collaborate with a dynamic technology team, and contribute to driving innovation and achieving business goals.

EXPERIENCE

1 MARCH 2022 – 20 APRIL 2022

THE GRADUATES PORTAL FOR THE COMPUTER SCIENCE DEPARTMENT AT THE UNIVERSITY OF PRETORIA.

- Developed comprehensive test cases to ensure quality software delivery.
- Conducted testing of automation applications in both Windows and Linux environments.
- Successfully performed unit testing on storage feature using the Jest Framework.
- Collaborated with the software development team to effectively resolve software defects.
- Prepared and configured systems for testing, ensuring optimal performance.

28 APRIL 2022 – 28 October 2022

CAPSTONE PROJECT, TUTORME

- Crafted meticulous test cases and executed test plans to ensure robust software functionality.
- Conducted thorough unit testing using ASP.NET Core 6 Framework.
- Performed integration testing to validate the seamless operation of combined modules.
- Leveraged Microsoft SQL Server for comprehensive database analysis and understanding.
- Employed reverse engineering techniques to extract critical information and generate precise code models.
- Worked with Flutter to develop mobile application components for enhanced user experience.

EDUCATION

2019 – 31 June 2023

BSC COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

Modules: Compiler Construction, Program Design (Introduction); Imperative Programming; Introduction to Computer Science; Theoretical computer; Data structures and algorithms; Software modelling; Netcentric computer Systems; Introduction to database; Concurrent Systems;

SKILLS

- Python, C++, Java, HTML, CSS, JavaScript, Typescript, Dart, Assembly, C#
- Angular, Nodejs, Nestjs, Flutter, ASP.NET CORE 6
- MySQL, Microsoft SQL Server, PostgreSQL, MongoDB
- Microsoft Office, Visual Studio, Eclipse
- Unit testing, Integration testing
- Software development lifecycle
- Performance analysis
- Test plans and scripts
- Defect and bug reporting

ACTIVITIES

- Came in 2nd place for the Education Empire Partner Foundation Hackathon and won R10 000
- Worked across the development life cycle to build and maintain code of a space craft launcher.

REFERENCES

- Musa Mabasa : 0621284230 Front-end Developer on the CAPSTONE Project
- Omolemo Mashego : 0658948041 Service Engineer on the GRADUATES PORTAL Project
- Precious Nhlapho: 0847827023 Front-end Developer on the Education Empire Partner Foundation Hackathon