

Botshelo Seitshiro

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Portfolio: <https://botsheloseitshiro.github.io/myportfolio/>

Junior Software Engineer

Bachelor of Information Technology graduate with practical experience developing web, mobile, and backend applications using modern technologies. Strong problem-solver with hands-on experience gained through academic projects and real-world simulations. Passionate about building efficient, user-focused software solutions that solve real problems. Adaptable, quick to learn, and eager to contribute in a graduate or internship role within a professional development team.

EDUCATION & CERTIFICATIONS

Tertiary Qualification

Nelson Mandela University – Port Elizabeth, EC

Bachelor of Information Technology, Software Engineering | Awarded with Cum Laude
Overall Average: 77.48%

2023 – 2025

- Focused on software engineering principles, application development, and system design, with strong emphasis on problem-solving and analytical thinking. Gained hands-on experience through practical projects involving web, mobile, and backend development.

Certifications

Introduction to Cybersecurity (Cisco) – April 2023
React.js (Udemy) – Nov 2025

TOOLS & TECHNOLOGIES

- **Programming Languages:** C#, Java, Python, JavaScript, SQL, HTML
- **Frameworks:** React.js, ASP.NET Core, Entity Framework, Android (Java), REST APIs, MVC Architecture, Bootstrap
- **Databases:** MSSQL Server, MySQL, SQLite
- **Version Control & Practices:** Git, GitHub, Agile Methodologies, TDD
- **Platforms:** Android Studio, Visual Studio, VS Code, Cisco Packet Tracer, PyCharm, Draw.io
- **Soft Skills:** Problem Solving, Collaboration, Leadership, Adaptability, Teamwork
- Microsoft Office

EXPERIENCE

Nelson Mandela University | Port Elizabeth, EC

Feb 2025– Mar 2025

First Year Success Buddy

As a FYS Buddy in 2025, I supported first-year students in transitioning to university life by providing academic guidance, mentorship on study and time management strategies, and helping them navigate campus resources.

PROJECTS

VolunteerHub - Volunteer Management Platform (Final Year Project)

ASP.NET Core | React.js | MSSQL

Developed a comprehensive volunteer management system supporting administrators, organizers, and volunteers that manages event creation, volunteer recruitment, application tracking, task assignment, attendance verification via QR codes, and real-time notifications—enabling seamless coordination and engagement of volunteers across multiple events.

- Implemented role-based authentication and access control with JWT tokens
- Designed real-time notifications using SignalR for instant updates
- Designed RESTful APIs using ASP.NET Core with Entity Framework Core ORM
- Built responsive React frontend with context-based state management

Learning Management System – Android App

Java | SQLite | XML

Built an Android application for instructors and students.

- CRUD functionality for modules and tasks
- Task completion tracking for students
- Role-based access for Admin, Instructor, and Student users

IoT Access Control & Office Automation Prototype

Python | TCP Server | Cisco Packet Tracer

- Developed a Python TCP server for IoT communication
- Simulated smart access control and emergency exits
- Integrated office automation components in Packet Tracer

REFERENCES

Available upon request.