# Baxolele Gudla

Aspiring Software Developer/Engineer

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## Professional Summary

Motivated IT graduate with comprehensive knowledge in programming, software development, database design, and networking. Skilled in building scalable applications using various programming languages, and SQL Server, with hands-on experience in both desktop and web development projects. Strong analytical thinker committed to continuous learning and delivering high-quality, innovative software solutions.

## Core Competencies

- **Programming Languages**: C#, C++, Java, Python, SQL
- **Web Development**: HTML, CSS, JavaScript
- **Framework & Technologies**: ASP.NET, ASP.NET Web API, .NET Framework
- **Database Management**: SQL Server, Oracle SQL, Database Design, SQL Queries
- **Software Development**: Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), API Development, Debugging, Testing
- **Tools & Platforms**: Visual Studio, Git & GitHub, Microsoft Office Suite, Cisco Packet Tracer
- **Soft Skills**: Analytical Thinking, Problem-Solving, Teamwork, Time Management, Quick Learner

## Education

**Bachelor of Science in Information Technology (2023 – 2025)**

North-West University, South Africa

- Major: Computing and Programming
- Golden Key International Honour Society Member
- All Year 1 & 2 modules passed with distinction

## Certifications

- Introduction to Cybersecurity – Simplilearn
- Getting Started with Cisco Packet Tracer – Cisco Networking Academy

## Work experience

### Academic Tutor (March 2023 – November 2024)

- Mentored first- and second-year students in programming and database fundamentals.
- Developed clear, easy-to-understand guides for complex technical topics.
- Contributed to a 15% improvement in student performance by delivering targeted assistance and fostering a collaborative learning environment.

## Projects

### Vehicle Dealership Information System (C#, SQL Server)

- Developed a full CRUD desktop application for managing inventory, clients, and sales for a vehicle dealership.
- Designed and implemented a normalized relational database to ensure efficient data management.
- Integrated reporting features and advanced search functionality to improve user experience.

### Project Collaboration System (C#, ASP.NET Web API, SQL Server)

- Currently developing a group project management tool to track team progress, evaluations, and communication.
- Backend built using Web API and connected to a SQL Server database.

### Shopping List Manager (C#, SQL Server)

- Created a user-friendly system for managing categorized shopping lists with local data persistence.
- Designed and implemented an intuitive interface, allowing easy interaction and data management.

### Database Design for Enterprise Scenario (Oracle SQL Developer)

- Designed and implemented an enterprise-level schema with constraints, triggers, and normalization.
- Applied full Database Design Life Cycle methodology.

### Network Simulation (Cisco Packet Tracer)

- Designed and configured a secure office network with logical topology and access control using Cisco Packet Tracer.

## Additional Skills

- **Software Testing**: Proficient in testing applications to ensure functionality and performance meet user expectations.
- **Fault Diagnosis**: Strong ability to identify software defects and provide solutions to fellow engineers.
- **Documentation**: Skilled in creating technical documentation and user manuals for software applications.
- **Security**: Familiar with security best practices, including firewalls and encryption techniques.

## Key Achievements

- Improved student performance by 15% through mentoring and guidance.
- Successfully completed multiple software development projects using industry-standard technologies and tools.
- Continuously learning and applying emerging technologies to improve software and development processes.

## References

Available upon request.