

# Avuyile Mthembu

Software Developer

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## Professional Summary

Technically driven Systems Development graduate with a strong record of high distinction across software engineering, backend logic, systems analysis, and cybersecurity. Known for rapid technical learning, strong analytical thinking, and consistently delivering high-quality, secure, and efficient code.

Demonstrated advanced capability in full-stack development, systems design, and practical problem-solving — securing 90%+ in key modules such as Security+, Systems Analysis & Design, and Praxis. Completed the three-year diploma within the minimum duration while maintaining a high GPA and earning multiple distinctions.

Brings disciplined execution, strong systems thinking, and a deep interest in software architecture, cybersecurity, backend engineering, and full-stack development. Well-prepared for high-performance engineering environments where code quality, logic, and structure are essential.

## Key Academic Achievements

- Systems Analysis & Design 3: 94%
- Praxis (Cybersecurity & Applied Development): 95%
- Security+ / Systems Development 2B: 92%
- Systems Development 2A: 84%
- Android Development: 87%

## Education

### Higher Diploma in Systems Development

Boston City Campus, Durban

Completion: 2025

Core Focus: Software Development, Database Systems, Web Technologies, Mobile Development, Cybersecurity

## Technical Skills

- **Backend Development:** Java, PHP, SQL, database design & optimization, API development, server-side logic
- **Frontend Technologies:** JavaScript, HTML5, CSS3, responsive UI design, TailwindCSS, jQuery
- **Development Tools:** Visual Studio Code, NetBeans, Eclipse, Android Studio, Git, GitHub
- **Database Systems:** MySQL, SQLite, Firebase
- **Frameworks / Libraries:** React.js, TailwindCSS, Android SDK
- **Server Environment:** AMPPS (Apache, MySQL, PHP stack)
- **Additional Skills:** Cybersecurity fundamentals, penetration testing basics, secure coding practices

## Core Competencies

- Full-stack web development (PHP, Node.js, MySQL, JavaScript)
- Java OOP application development
- Database design, implementation & management
- RESTful API integration
- Version control with Git/GitHub
- Security-focused development
- Android application development

## Certifications

- CompTIA A+ (Academic) – 2023
- CompTIA Security+ (Academic) – 2024
- Additional external certifications in progress

## Career Objective

Seeking an entry-level Software Developer role to apply strong programming, system design, and problem-solving skills. Passionate about building secure, scalable, and user-centric software solutions. Dedicated to writing clean, maintainable code and contributing to high-performance software engineering teams.

## GitHub

<https://github.com/mthembuavuyile>