Xolani Masimbe *Software Developer Intern*

✉ xmasimbe965@gmail.com

📞 0612773329

📍 Adderley Street Foreshore Cape Town 8001

in Xolani Masimbe

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Profile

Application Development student at CPUT with a robust foundation in full-stack concepts. Core proficiency in Java, Python, JavaScript, and SQL demonstrated through hands-on project work. Highly motivated and dedicated to continuous skill expansion, I am eager to leverage my technical expertise to immediately contribute to innovative development challenges in a professional setting.

Education

2015 – 2020

National Senior Certificate
Ivory Park Secondary School
Successfully achieved the National Senior Certificate (Matric) from Ivory Park Secondary School. This academic phase demonstrates a strong foundation in discipline, time management, and commitment—qualities essential for succeeding in the Application Development field.

01/2022 – 12/2022

Hc Infomation Technology
Cape Peninsula University Of Technology ⊡
Completed a focused, one-year program providing a foundational understanding of IT principles and fundamental programming logic. Served as a crucial stepping stone, demonstrating early commitment and preparation for the Application Development course.

01/2023 – Present

Dip ICT Application Development
Cape Peninsula University Of Technology ⊡
Intensively applying core software engineering principles in Java, Python, and and JavaScript environments to deliver robust application solutions.Expertise developed in database design and management (SQL), object-oriented programming (OOP), and full-stack development methodologies.Currently completing final-year projects, demonstrating the ability to translate complex requirements into functional, high-quality code.

Professional Experience

2021 – 2021

Sales Agent
Blue Label Connect
Managed a high-volume outbound call cycle focused on telemarketing and achieving sales quotas for cellular contracts. This role was instrumental in developing resilience under pressure, improving time management, and honing professional communication skills necessary to consistently meet challenging daily sales targets.

2024 – 2024

Student Finance Assistance
Cape Peninsula University Of Technology ⊡
Provided essential student support by guiding applicants through the process of completing the Acknowledgement of Debt agreement using the institution's online system. Effectively managed and resolved a high volume of student inquiries related to financial assistance, escalating complex issues when necessary to ensure efficient and timely resolution and a positive student experience.

01/2025 – 12/2025	**Software Developer Intern**
	Plum Systems ⧉
	Contributes to the full development lifecycle for mobile and web applications (build/maintenance).Practical experience with a modern tech stack: React (Web), React Native (Mobile), and Node.js (Backend).Utilizing Firebase for database management and leveraging GitLab for version control and team collaboration.Working on real-world projects, demonstrating rapid learning and application of new professional software development technologies.

Skills

Programming Languages
Java, Python, JavaScript (Core Proficiency)

Web & Mobile Frameworks
React (Web), React Native (Mobile), Node.js (Backend)

Database & Cloud
SQL, Firebase (Real-time database management)

Version Control & Tools
GitLab, Git, Application Development Lifecycle (SDLC)

Core Concepts
Object-Oriented Programming (OOP), Full-Stack Concepts, Programming Logic

Problem Solving
Analytical Thinking, Problem Resolution, Translating complex requirements into functional code

Work Ethic
Resilience Under Pressure (demonstrated via target-driven sales), Diligence, Commitment, Time Management

Communication
Professional Communication, Student Support/Liaison, Outbound Telemarketing, Customer Engagement

Project & Process
Team Collaboration (GitLab), Process Management, Rapid Skill Acquisition, Meeting Sales Quotas/Targets

Certificates

- Learning Arduino: Foundations ⧉
- SQL Tips and Tricks for Data Science ⧉
- Lo-Fi to Hi-Fi: Prototyping in Figma ⧉
- Learning SQL Programming ⧉
- Learning Brainstorming ⧉
- AWS Academy Graduate - Cloud Foundations - Training Badge ⧉

Projects

2025 – 2025	**Healthcare Management System** ⧉
	School Project
	Developed a full-stack, multi-user system to streamline hospital operations, focusing on efficient patient appointment booking and management.Tech Stack: Built the front-end using React and TypeScript/JavaScript, with database design and management handled via MySQL Workbench.Implemented role-based features and a secure messaging function, demonstrating proficiency in user authentication and database-driven solutions.
2023 – 2023	**CPUT Schedule System Project** ⧉
	School Project
	Designed and implemented a dynamic web application enabling students to track the CPUT shuttle schedule online, improving transport accessibility.Full-Stack development: Utilized HTML, CSS, and JavaScript for the front-end, with PHP handling backend logic.Responsible for database design and integration to ensure the delivery of reliable, real-time schedule information.Applied key principles of web development and user experience (UX) to solve a practical institutional need.

Organisations

06/2025 – 09/2025   **AWS Community Day**
Timekeeper Volunteer
Managed the critical timeline for General Session keynotes, ensuring the event ran precisely on schedule according to the official agenda timings.Executed precise timekeeping duties for each speaker by accurately setting and starting the stopwatch timer for every segment.Demonstrated unwavering attention to detail, reliability, and precision in a high-visibility role.

References

Asivile, *Student Finance Staff,* Financial Aid
nkwintia@cput.ac.za, +27 760 123 515

Luyolo Skoma, *Team Leader,* Plum Systems
+27 607 110 628

Hennie Francis, *CEO,* AWS Community Day
+27 828 395 015