

✉ tasimahapaz@gmail.com

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☎ +27 67 589 0416

Tasima Siphosethu Hapazari

Profile

Computer Science and Business Computing graduate with experience in Android development, distributed systems, and privacy-focused communication platforms. Skilled in Java, Kotlin, and Python, with deep hands-on work in offline-first architectures, peer-to-peer networking, and end-to-end encryption. Strong interest in secure system design, defensive programming, and applied cybersecurity, supported by real-world projects and performance-focused engineering.

INTERNSHIPS

Cybersecurity Intern

Oct '24 - Dec '24

MWR CyberSec

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- Acquired foundational knowledge in steganography and cryptography techniques using tools like OpenSSL and Steghide.
- Enhanced proficiency in directory brute forcing and hash cracking through practical applications of tools such as Burp Suite and Hashcat.
- Learned to perform SQL injection and local file inclusion (LFI) attacks.
- Cultivated advanced skills in directory traversal and authorization bypassing by employing methodologies like OWASP testing and penetration testing frameworks.
- Identified file upload vulnerabilities and conducted network scanning.

PROFESSIONAL EXPERIENCE

Private Tutor

Jan '26 - Present

Axiom Private Tutoring

Cape Town, South Africa

Java | Computer Science concepts | Python | SQL | Tutoring

- Assisted students in aligning with school curricula and preparing for exams effectively.
- Conducted tests and mock exams to track learner progress and development.
- Fostered strong relationships with learners and parents through clear communication and accountability.

Full Stack Web Developer (Contract Project/Volunteer)

Dec '25 - Jan '26

Cuppa La Var

Bulawayo, Zimbabwe

Webflow | React | TypeScript | Vite

- Built and deployed a website for a small family-owned retail business as a volunteer project using Webflow for rapid prototyping of the frontend, implemented it in React with Supabase for user auth and management.
- Worked closely with business stakeholders to gather requirements and translate them into technical solutions
- Deployed the website and managed ongoing maintenance and updates
- Ensured responsive design, usability, and accessibility across desktop and mobile devices
- [Website Link](#)

EDUCATION

BSc in Computer Science and Business Computing

Feb '21 - Jan '26

University of Cape Town

Cape Town, South Africa

Cambridge O Level, AS and A level

Jan '16 - Nov '19

Christian Brothers' College

Bulawayo, Zimbabwe

Volunteer Work

Nov '19 - Present

DIFTK (Do It For The Kids)

Bulawayo, Zimbabwe

- Supported children from underprivileged backgrounds through educational support, mentoring, and meal preparation in food programme efforts - Assisted with horse therapy programs to promote emotional and mental well-being of children with extreme social difficulties
- Participated in teaching and community outreach activities across the city

Personal Projects

NEXA – Offline-first Distributed Messaging Platform

Kotlin | Libsodium | SQLCipher | JetPack Compose | RoomDB | DTN

- Designed and extended a modular, engine-driven system emphasizing correctness, reliability, and separation of concerns.
- Implemented store-and-forward (end-end encrypted) messaging, deterministic routing, retry logic, and fault tolerance
- Applied secure data handling, encrypted storage, and performance-aware design.

Personal Portfolio Website

Vite | TypeScript | React | Framer Motion | Vercel

- Developed and deployed a high-performance portfolio site using React, TypeScript, Vite, and Framer Motion
- Focused on accessibility, maintainability, and clear presentation of technical projects

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, C#, JavaScript, Bash

Mobile: Android (Jetpack Compose, Room)

Security & Networking: Libsodium, SQLCipher, Tor, P2P Networking, DTN

Web: Svelte and Sveltekit, TypeScript, Vite, React, HTML/CSS, Webflow

Databases: MySQL, SQLite, PostgreSQL

Data & Analytics: Tableau

Tools: Linux, Git, SAP S/4HANA, AntiGravity, Spline