

Bophelo-Botle Makuzeni

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LinkedIn GitHub Portfolio

Professional Summary

My name is Bophelo-Botle Makuzeni, a final-year student at Richfield Graduate Institute of Technology, graduating in 2026. I have a solid foundation in information security. My experience includes monitoring, analyzing, and maintaining security controls. I am a team player, this strength was demonstrated during a login incident where students could not access the school portal. I supported remediation efforts, and students regained access. This incident emphasized my understanding of endpoint protection solutions. I have foundational knowledge of cloud security concepts across AWS and Azure environments, and I am certified in Azure. I am proficient in programming and automation using Python, Java, and JavaScript. I am aware of the role of AI in security and am willing to learn more about it.

Education

Richfield Graduate Institute of Technology

Bachelor of Science in Information Technology
Johannesburg, Gauteng

Final Year

Relevant Coursework

- Machine Learning
- Java Programming
- Cybersecurity
- Operating Systems
- Mobile App Development
- Algorithms

Experience

Richfield Graduate Institute of Technology

Technical Test Analyst Intern

Nov 2025 – April 2026

Newtown

- Assisted with monitoring and analyzing security alerts in the school lab.
- Supported remediation of incidents under supervision, where I assisted students who had login issues.
- Documented every incident that I was part of the remediation team; this shows my strength in documenting all activities I am involved in.

First in Business Solutions

IT Technician

Feb 2025 – Oct 2025

Strydompark

- Provided end-user support for desktop and laptop systems, including installation, configuration, maintenance, and upgrades.
- Set up and maintained Windows systems, including troubleshooting software and hardware issues, and managing user profiles and permissions.
- Installed, configured, and supported camera surveillance systems, such as Hikvision, Provision-ISR, and Dahua.
- Provided security and backup management, including installation and management of antivirus software (SentinelOne, ESET), cloud and on-site backups, and user data protection policies.
- Installed and configured VoIP phone systems (3CX, Yeastar), and resolved connectivity issues.
- Supported and maintained the Microsoft 365 suite, including Teams, Outlook, SharePoint, and OneDrive administration.
- Used and maintained ticketing systems, including Freshdesk, Autotask, and SysAid, to track and resolve IT support requests.

- Created wire-frames and sitemaps to support project planning and improve user experience (UX) design.
- Developed responsive and interactive web applications, and implemented structured testing, debugging, and peer reviews to ensure system quality.
- Performed troubleshooting, debugging, and testing processes to maintain high-quality standards.
- Collaborated with developers to align cloud solutions with customer IT environments.
- Followed best practices in clean coding, version control, and web design.

Certifications

- ESET Cloud Security Specialist
- ESET Client Security Specialist
- Microsoft Azure Fundamentals (AZ-900)
- CompTIA A+

Projects

Student Expense Tracker (Secure Full-Stack Application)

Spring Boot, React, PostgreSQL, Docker

- Developed a secure full-stack application with JWT authentication and role-based access control.
- Built RESTful APIs for managing expenses, categories, and user dashboards.
- Implemented input validation, rate limiting, and BCrypt password hashing to enhance security.
- Designed a responsive React frontend with real-time data updates and CRUD functionality.
- Containerized the application using Docker for consistent local development and deployment.

Vulnerability Scanner (Security Tool)

Python, Socket Programming, Nmap

- Built a vulnerability scanner to detect open ports and basic web security misconfigurations.
- Identified missing HTTP security headers and potential SQL error exposure indicators.
- Integrated optional Nmap support for enhanced network scanning capabilities.
- Generated structured reports (JSON and TXT) with risk classification (Low, Medium, High).
- Designed a simple GUI interface to improve usability.

Weather Dashboard

HTML, CSS, JavaScript, REST API

- Developed a responsive dashboard displaying real-time weather data using external APIs.
- Implemented dynamic UI updates and interactive features for improved user experience.

Technical Skills

Languages: Python, Java, C++, JavaScript, SQL, HTML/CSS

Tools: GitHub, VS Code, Eclipse, Android Studio, Jenkins, Docker

Technologies: Linux, JUnit, PostgreSQL, REST APIs, Google Cloud Platform

Cybersecurity: Network Security, Vulnerability Analysis, Basic Penetration Testing, Secure Coding

Key Skills

- Team player with strong communication skills
- Adapt easily to new environments
- Problem solver with decision-making ability
- Curious and eager to learn new technologies
- Positive attitude and always trying to meet deadlines