

Curriculum Vitae



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-----ONLINE RESUME-----

<https://benedictmzizi.github.io/OnlineResume>

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CAREER OBJECTIVE

Motivated and technically skilled IT graduate with a strong foundation in software development, cloud computing, networking, cybersecurity, automation, and artificial intelligence. Adept at building full-stack applications, automating workflows, integrating APIs, and implementing scalable solutions using modern development tools and platforms. Passionate about solving real-world problems through innovation, clean code, and cross-functional collaboration. Seeking to contribute to a dynamic, tech-driven environment where I can apply my diverse skill set, contribute to meaningful projects, and continuously grow professionally

EDUCATION

North-West University – Vaal Triangle Campus

Bachelor of Science in Information Technology — Completed

Springs Boys High School

Matric — Completed

CERTIFICATIONS

- AWS Cloud Practitioner Essentials(Coursera)
- AWS Cloud Technical Essentials(Coursera)
- Introduction to DevOps by IBM(Coursera)
- Introduction to Data Science – Cisco Networking Academy (via IBM SkillsBuild)
- Introduction to Modern AI – Cisco Networking Academy (via IBM SkillsBuild)
- AI Fundamentals – Cisco Networking Academy (via IBM SkillsBuild)
- Python Essentials 1, 2 – Cisco Networking Academy (With Python Institute)
- Introduction to Cybersecurity – Cisco Networking Academy
- Dante Level 1, 2, 3 – Dante
- Savant Core Certification – Savant Labs

TECHNICAL SKILLS

Programming Languages: Python, Java, C#, C/C++, JavaScript, HTML/CSS, PHP, MySQL

Frameworks & Tools: Django, ASP.NET MVC, Bootstrap, Angular, jQuery, RESTful APIs, React (Hooks, State Management), Node.js, ADO.NET, Entity Framework

Databases: MySQL, Microsoft SQL Server, Oracle SQL, MongoDB (basic)

Cloud & DevOps: AWS (Foundations), GitHub Actions, CI/CD, Shell Scripting, Postman, Continuous Deployment (Netlify), API Authentication (OAuth, API Keys)

Networking & Cybersecurity: Cisco Packet Tracer, Secure Coding, OWASP Top 10, Network and security configuration, Subnetting, Firewall Configuration, Network Troubleshooting

AI & Data Science: Neural Networks, ML Basics, IBM Watson, Data Visualization

Automation: Google Apps Script, Zapier, Mailjet, Google Workspace Automation, Workflow Automation, Webhooks

Operating Systems: Windows, Linux, macOS

Other Tools: Docker (basic), Visual Studio, Arduino, VMware, VirtualBox, Jira, Trello, VS Code, AWS Management Console and CLI

PROJECTS

Clinic Documentation Digitization

Tech Stack: C#, WinForms, .NET Framework, Microsoft SQL Server

Built a desktop app for digitizing clinic patient records.

- Designed user-friendly forms for efficient data entry and retrieval.
- Created modular features for file management and database future-proofing.
- Built and maintained the system architecture with Visual Studio.

View Project on GitHub: <https://www.github.com/BenedictMzizi/BFT-solutions>

Flag Explorer App

Tech Stack: React, Express.js, Node.js, Vercel, Render, REST API, GitHub Actions

Built A full-stack web application that displays country flags and basic country details using a custom-built REST API.

- Developed a React frontend to fetch and render country data dynamically, with a clean Tech grid-based UI.
- Integrated environment variables for seamless API routing between frontend and backend.
- Deployed the backend to Render and the frontend to Vercel, enabling scalable and live production hosting.
- Implemented CI/CD workflows with GitHub Actions to trigger automatic deployments on code changes.
- Structured project using a clean monorepo layout with separate client and backend root directories for easier deployment and collaboration.

View project on GitHub: <https://github.com/BenedictMzizi/FlagExplorerApp>

Backend API: <https://flagexplorerapp.onrender.com/countries>

Live Demo: <https://flag-explorer-app.vercel.app>

Registration Automation

Tech Stack: Google Apps Script, Google Sheets/Forms, Mailjet, Zapier

- Automated student registration workflows with dynamic email confirmations.
- Integrated Zapier for error handling and process logic.

View Project on GitHub:

<https://www.github.com/BenedictMzizi/RegistrationAutomation>

Live Demo: <https://benedictmzizi.github.io/RegistrationAutomation>

Autonomous Line-Following Robot

Tech Stack: C++, Arduino, DRV8835 Motor Shield, NewPing, LDR Sensors

Built an autonomous robot that follows a line and avoids obstacles using ultrasonic sonar.

- Coded multi-sensor logic for forward motion, left/right turns, and black tape-based stopping behavior.

Tuned motor control and threshold logic for accurate real-time performance.

View Project on GitHub: <https://www.github.com/BenedictMzizi/Autonomous-Line-Following-Robot>

Volatility Index Trading Bot

Tech Stack: Python, MetaTrader 5, Deriv DBot (XML), RSI/EMA Indicators

- Developed an automated trading bot using EMA and RSI indicators.
- Backtested and optimized strategy in a real-market environment.

View Project on GitHub: <https://www.github.com/BenedictMzizi/Robot1000>

Networking Projects

Tech Stack: Cisco Packet Tracer, Windows/Linux

- Built secure network models and configured LAN/Wi-Fi infrastructure.

View Project on GitHub: <https://www.github.com/BenedictMzizi/ciscoProject>

EXPERIENCE

Computer Technician & Network Assistant (Freelance)

- Installed, configured, and troubleshoot computer hardware and software.
- Set up and diagnosed LAN/Wi-Fi infrastructure for small businesses.

SOFT SKILLS

- Analytical Thinking
- Problem Solving & Adaptability
- Technical Documentation
- Team Collaboration
- Attention to Detail

STRENGTHS

- Strong analytical and cybersecurity mindset
- Quick to adapt to emerging technologies
- Passionate about automation, AI, development and data-driven solutions

REFERENCES

North West University VTC (016 910 3111)

Springs Boys High School (011 818 2175)
