

# Curriculum Vitae



Benedict de Almeida Mzizi

0682103459

bennydrizi@gmail.com

Kensington

Johannesburg

2101

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

<https://benedictmzizi.github.io/Practical1>

CPMG323

CONTENTS

---

Career Objective ..... 2

Education..... 2

Certifications ..... 2

Technical Skills ..... 3

Projects..... 3

Experience ..... 6

Soft Skills..... 6

Strengths..... 6

References..... 6

## 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)

---

---