Curriculum Vitae

Benedict de Almeida Mzizi

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

https://benedictmzizi.github.io/OnlineResume

CONTENTS

LinkedIn: https://www.linkedin.com/in/benedict-mzizi

GitHub: https://github.com/BenedictMzizi

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

Programming Languages: Python, Java, C#, C/C++, JavaScript (ES6+), HTML/CSS, PHP, HTML5/CSS3, PHP, SQL (MySQL, PostgreSQL)

Frontend Technologies: React (Hooks, State Management), Btstrap, Angular (Basics), jQuery, Responsive Design, DOM Manipulation, Tailwind CSS

Backend & APIs: Node.js, Express.js, RESTful API Design, ADO.NET, Entity Framework, Django (Basics), API Authentication (OAuth2, API Keys)

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), Supabase (PostgreSQL BaaS)

Cloud & DevOps: AWS EC2, S3, RDS, Nginx, PM2, GitHub Actions, CI/CD, Shell Scripting, Postman, Continuous Deployment (Netlify), API Authentication (OAuth, API Keys), Shell Scripting, Docker (Basic), Postman, Render, AWS (Foundations)

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, Workflow Orchestration

Operating Systems: Windows, Linux, macOS

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

JungleShop

Tech Stack: React, Node.js, Express.js, MySQL (AWS RDS), AWS EC2, S3, Stripe, Nginx, PM2, GitHub Actions, Tailwind CSS, JWT

Developed and deployed a scalable full-stack e-commerce platform with secure admin functionality and payment integration

- Built a responsive frontend with React and Tailwind CSS featuring dynamic product browsing, search, cart, and checkout..
- Created a secure backend using Node.js and Express, with admin-protected product CRUD routes.
- Managed state and dynamic cart interactions using React Context API
- Integrated MySQL (AWS RDS) for relational product and order data
- . Configured AWS S3 for secure image uploads and static file hosting.
- Deployed backend on AWS EC2 with PM2 process manager, SSL via Let's Encrypt, and Nginx reverse proxy.
- Used GitHub Actions for CI/CD automation and tested APIs with Postman.

GitHub Repo: github.com/BenedictMzizi/jungleShop

Backend API: https://13-61-48-159.sslip.io/api

Live Demo: http://jungleshop-frontend.s3-website.eu-north-1.amazonaws.com

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.

GitHub Repo: https://www.github.com/BenedictMzizi/RegistrationAutomation

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

Team Registration App

Tech Stack: React (CRA), Supabase (DB/Auth), Vercel, Git, Responsive Web Design
Built a full-stack registration portal that allows users to register for team participation while providing admins with secure login and approval access.

- Developed using Create React App with Supabase as the backend for database storage and authentication.

- Implemented conditional rendering to separate user and admin views dynamically.

- Designed a clean and responsive interface for both registration and admin login dashboards.

- Integrated Supabase Auth for admin login and Supabase DB for storing pending registrations.

- Deployed live on Vercel with continuous integration via GitHub.

- Structured the app for easy future expansion such as approval workflows and email notifications.

GitHub Repo: https://github.com/BenedictMzizi/TeamRegistrationApp
Live Demo: https://team-registration-app.vercel.app

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.

GitHub Repo: 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.

GitHub Repo: https://github.com/BenedictMzizi/FlagExplorerApp

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

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

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.

GitHub Repo: https://www.github.com/BenedictMzizi/Autonomous-Line-Following-Robot

Online Resume Website

Tech Stack: HTML, CSS, JavaScript, GitHub Pages, Git, Responsive Web Design
Built a digital resume website to showcase my professional background, technical skills, certifications, projects, and downloadable documents.

- Designed and developed a responsive, single-page personal resume site using HTML, CSS, and JavaScript with a clean and accessible layout.

- Embedded downloadable resume documents and certificates using a public documents/ directory structure.

- Integrated links to project repositories, certifications, and contact information to streamline application processes.

- Deployed the site live using GitHub Pages, ensuring easy public access across devices and browsers.

- Structured the project for scalability and simplicity, with clear separation of content and presentation logic.

GitHub Repo: https://github.com/BenedictMzizi/OnlineResume
Live Demo: https://benedictmzizi.github.io/OnlineResume

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.

GitHub Repo: https://www.github.com/BenedictMzizi/Robot1000

EXPERIENCE

Computer Technician |Software Developer|Installater Assistanta (Freelance).

- Installed, configured, and troubleshot computer hardware and software
- Automated manual workflows using Google Apps Script and Zapier, reducing human error and boosting operational efficiency in small businesses and university environments.
- Developed and hosted APIs for dynamic content using RESTful design principles, deployed on AWS S3, Render and Vercel.
- Built automation and AI deriven prototypes such as a volatility index trading bot(python, meta trader 5) and an autonomous line-following robot (Arduino + C++).
- Installation of home cctv systems

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)