

CURRICULUM VITAE

BERNARD HAMIE

Computer Engineer | Full-Stack Developer | Data Analyst | Network Engineer | Cybersecurity Specialist
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PROFESSIONAL SUMMARY

Versatile Computer Engineer with 3+ years of experience in full-stack development, data analytics, network engineering, cybersecurity, and IT support. Holds a B.Eng. in Computer Science from DMI St. John the Baptist University. Has delivered production systems for real businesses including a CRM with Airtel Money integration, accounting software, and an inventory management system with analytics dashboards. Proficient in Python, SQL, Power BI, pandas, scikit-learn, Django, Flutter, and Cisco networking. Committed to using technology to drive meaningful impact in Malawi and beyond.

PROFESSIONAL EXPERIENCE

Software Developer (Intern) March 2023 – August 2024

Neytech Solutions — Lilongwe, Malawi

- Built full-stack web applications using Django and JavaScript, from database design to frontend delivery.
- Developed Android mobile applications using Flutter and Dart for client businesses.
- Integrated Airtel Money payment gateway, SMS APIs, and mapping services into live production systems.
- Participated in agile sprints, code reviews, and architecture discussions within a collaborative team.
- Optimised database queries and application performance, achieving significant reductions in load times.

Network Engineer & Data Analyst (Intern) August 2024 – Present

MoyoTech Limited — Lilongwe, Malawi

- Design and deploy LAN, WAN, and wireless network infrastructure for corporate clients.
- Configure Cisco routers, managed switches, firewalls, and site-to-site VPN connections.
- Conduct network security audits, identify vulnerabilities, and implement hardening measures.
- Analyse network traffic and performance data using Python (pandas, NumPy, scikit-learn).
- Build Power BI dashboards to visualise KPIs and present data-driven findings to management.
- Apply data cleaning, EDA, and machine learning techniques to generate actionable operational insights.

Freelance Technical Support Engineer February 2026 – Present

Peza Systems Limited — Lilongwe, Malawi

- Deliver technical support covering hardware, software, networking, and OS issues for clients.
- Manage user accounts and access controls in Windows and Linux environments.
- Install and configure desktops, laptops, printers, and peripherals across client sites.

Content Manager (Part-Time) 2025 – Present

Tonadent Dental Clinic — Lilongwe, Malawi

- Manage digital content across website and social media platforms.
- Create content promoting dental health awareness and monitor engagement analytics.

EDUCATION

Bachelor of Engineering In Computer Science (Honours) 2020 – 2025

DMI St. John the Baptist University, Lilongwe, Malawi

Malawi School Certificate of Education (MSCE) Completed

Kings Foundation Private Secondary School

KEY PROJECTS

Namuleli Customer Relationship System | Django, Python, JavaScript, MySQL, Airtel Money API, REST APIs

Full-stack CRM platform integrating Airtel Money payment gateway and SunKing solar token generation. Features customer records, transaction history, automated SMS notifications, and reporting dashboards.

PezaBooks — Accounting Software | Django, PostgreSQL, Python, JavaScript

Complete accounting solution for SMEs featuring invoicing, expense tracking, income/expenditure reports, balance sheet generation, and role-based multi-user access.

SM Enterprises Inventory Management System | Django, MySQL, Python, pandas, Power BI

Inventory system with purchase/sales order processing, automated low-stock alerts, barcode scanning, and analytics dashboards showing sales trends, inventory turnover, and profit margins.

TECHNICAL SKILLS

Languages: Python, JavaScript, Dart, HTML5, CSS3, SQL, Bash

Data & ML: pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Power BI, EDA, predictive modelling

Web & Mobile: Django, Flask, React, Node.js, REST APIs, Flutter, Firebase

Databases: MySQL, PostgreSQL, SQLite, Firebase Realtime Database

Tools: Git, GitHub, VS Code, Jupyter Notebook, Android Studio, Postman, Docker (basics)

IT SKILLS

Operating Systems: Windows 10/11, Windows Server, Ubuntu, Kali Linux, Debian

Networking: TCP/IP, DNS, DHCP, VLANs, Subnetting, NAT, OSI Model, Cisco IOS

Network Equipment: Cisco routers & switches, MikroTik, TP-Link, Ubiquiti

Cybersecurity: Vulnerability scanning, penetration testing, Wireshark, Nmap, Metasploit basics, CIP

Sysadmin: User & group management, Active Directory basics, file permissions, task scheduling

Cloud & Hosting: Linux VPS, cPanel, DNS configuration, basic AWS

Hardware: PC assembly & repair, laptop servicing, structured cabling, rack installation

IoT: Raspberry Pi, Arduino, sensor integration, embedded systems

IT Support: Help desk, remote desktop, ticketing systems, ITIL principles

CERTIFICATIONS

AI Essentials — ALX Africa

Machine Learning & Data Science — Great Learning

Artificial Intelligence (AI) Fundamentals — Great Learning

Linux Administration — Great Learning

Critical Infrastructure Protection (CIP) — OPSWAT Academy

KEY STRENGTHS

- Real project delivery: Built production systems used by real businesses — not academic exercises.
- Full data stack: End-to-end data work from raw data cleaning to ML models to Power BI dashboards.

- Versatility: Covers software, data, networking, and IT support — reducing need for multiple specialists.
- Security-aware: CIP-certified with understanding of critical infrastructure protection in sensitive environments.
- Proven under pressure: Managed multiple roles simultaneously while completing a degree.

HOBBIES & INTERESTS

- Technology & Innovation — follows AI, data science, cybersecurity, and IoT developments; builds personal projects.
- Teaching & Mentoring — helps community members and students learn programming and IT skills.
- Football — active player; values teamwork, discipline, and fitness.
- Coding Challenges — practises on HackerRank; enjoys logic puzzles and algorithmic problem-solving.
- Community Impact — passionate about technology solving real problems in Malawi.

REFEREES

1. DMI St. John the Baptist University
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2. Moyotech Limited
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