PANGANAYI CALISTO DANIEL

Software Engineer

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Objective

Software Engineer with 1 year of experience building web applications and AI-driven automation, and supporting IT systems and cloud infrastructure as a team leader. I build practical systems in PHP, Python and JavaScript, from school management platforms to AI tools for agriculture, and I want to bring that experience to a team working on software, AI automation or cloud systems.

Education

- **Diploma in Software Engineering**, TelOne Centre for Learning (Completed 2025)
- 8 O-Level passes with Grade C or better
- **Relevant Courses:** Microsoft Certified: AI Agent Builder Associate (in progress)

Work Experience

Software Developer & IT Support

December 2025 to Present (1 year)

Mirilax Instructional Technologies, Harare, Zimbabwe

- Built and maintained web applications in PHP (Laravel), Python (Flask) and MySQL for internal and client use.
- Designed AI automation workflows and trained and deployed machine learning models for inference in production tools.
- Gave first-line and remote IT support, fixing hardware, software and network problems for 500+ users.
- Administered Linux and Windows servers and configured cloud resources on AWS, Google Cloud and Azure.
- Set up and troubleshot networks (subnetting, routing, device configuration) to keep systems reliable.

Technical Skills

- **Programming Languages:** PHP, Python, JavaScript, SQL

- **Web Development:** HTML, CSS, JavaScript, Bootstrap, Laravel, Flask, REST APIs
- **Databases:** MySQL (schema design, queries, optimisation)
- **AI & Automation:** AI systems automation, model training, model inference and deployment, AI agents
- **IT Support:** Remote technical support, hardware and software troubleshooting, user support
- **Systems Administration:** Linux, Windows and macOS administration, user and access management
- **Cloud Infrastructure:** AWS, Google Cloud, Microsoft Azure
- **Networking:** Network configuration, subnetting, troubleshooting, performance optimisation
- **Documentation:** Technical documentation, issue reports, feedback for improvement

Professional Strengths

- **Problem Solving:** Break complex technical problems into clear steps and find practical, lasting fixes.
- **End-to-End Delivery:** Take projects from idea to deployment: requirements, design, development, testing and support.
- **AI-Driven Thinking:** Spot repetitive manual work and replace it with AI automation that saves time and reduces errors.
- **Fast Learner:** Pick up new tools, frameworks and cloud platforms quickly and put them to use on real projects.
- **Communication:** Explain technical issues clearly to non-technical users and write clear documentation and reports.
- **Teamwork & Collaboration:** Work well with developers, users and stakeholders to deliver shared goals.
- **Reliability Under Pressure:** Stay calm and focused when resolving urgent IT and system issues.
- **Attention to Detail:** Write clean, well-tested code and keep systems secure and well configured.

Projects

AI Automated School Management System

Tools: Laravel, MySQL, Python (AI) | **Language:** PHP, Python

A school management platform that automates attendance, student records and reporting, with AI features that flag at-risk students and generate reports automatically.

> **Impact:** Replaced paper registers with digital attendance, cutting the time teachers spend on attendance and admin by about 95% and making student records more accurate and available instantly.

Event Planner & Check-in System

Tools: PHP, MySQL, JavaScript, QR codes | **Language:** PHP, JavaScript

An event management system for creating events, registering guests and checking them in at the door with QR codes.

> **Impact:** Shortened queues at the door, removed manual guest lists and gave organisers live attendance numbers. Used for 10 events with 500+ guests.

Agriculture AI

Tools: Python, machine learning model training and inference | **Language:** Python

An AI system that helps farmers make better decisions by analysing crop data and images to detect diseases and recommend actions.

> **Impact:** Gives farmers early, low-cost crop diagnosis without needing an expert on site, which helps reduce crop loss. Model accuracy: 85% Now.

Personal Projects

Study Finder Platform

Tools: PHP, MySQL, JavaScript | **Type:** Web platform

A platform that connects students looking for extra lessons with teachers who offer them, with search by subject, location and availability.

> **Impact:** Makes extra lessons easier to find for students and gives teachers a simple way to find new learners and fill their schedules.

References

Available on request.