# COURAGE MHUTE

**Software Engineer | Django and Python Specialist**

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**Portfolio**: https://courageprofile.vercel.app/

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## PROFESSIONAL SUMMARY

Innovative and results-driven software engineer with over **2.5 years of experience** specializing in **Python and the Django framework**. Skilled in designing scalable, user-friendly web applications, I am passionate about leveraging technology to solve complex business problems. My expertise extends to **DevOps practices, Git, MySQL, PostgreSQL, and JavaScript**, with a proven record of delivering impactful projects including a WhatsApp chatbot using Meta Cloud API, agriculture marketplace, leave management systems, school management platforms, branch profitability tools, and travel claims portals.

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## PROFESSIONAL EXPERIENCE

### Software Engineer

**Petalm Africa Group, Zimbabwe**
*Jan 2023 – Present*

- **Leave Management System:** Built a configurable leave management platform with complex rules (carry forward, accrual, holidays), improving HR efficiency by 30%.
- **Procurement Portal:** Developed a secure procurement portal with department-based adverts and supplier bid ranking, optimizing vendor selection.
- **WhatsApp Chatbot (Meta Cloud API):** Designed and deployed a chatbot for customer engagement and automation, improving response times and client satisfaction.
- **Branch Profitability Analysis Tool:** Integrated financial data to provide management with real-time profitability insights.
- **Travel Claims Portal:** Built a claims system to automate reimbursement calculations and prevent overlapping trip submissions.
- **Inventory Automation:** Automated inventory reconciliation, reducing manual workload by 25%.

### Software Developer Trainee

**Petalm Africa Group, Zimbabwe**
*Jun 2021 – Dec 2022*

- **Invoice Tracking System (Car Rentals):** Automated invoice tracking and billing, improving accuracy and reducing revenue leakages.
- **Learning Management System (LMS):** Built a course scheduling, certificate issuance, and attendance tracking platform, increasing training efficiency by 40%.
- **School Management System:** Contributed to modules including library management for digital cataloging, lending, and returns.
- **Agriculture Marketplace:** Developed an online platform for connecting farmers with buyers, integrating payments and logistics workflows.

- **Forensic Audit Web Application:** Built a Django-based solution to assist in detecting and preventing financial fraud.
- **CRUD Web Applications:** Delivered multiple Django-based apps for claims and database management, ensuring reliability and scalability.

## EDUCATION

**Bachelor of Science in Computer Science**
UNICAF University — *May 2021 – Jan 2025*

- Relevant Coursework: Software Engineering, Database Management, Cybersecurity, Artificial Intelligence
- Certifications: Python Programming, Django Framework, Advanced Web Development

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript
- **Frameworks:** Django, Flask
- **Databases:** MySQL, PostgreSQL, SQLite, NoSQL
- **DevOps & Tools:** Git, Docker, Linux, RESTful APIs
- **Web Development:** HTML, CSS, Bootstrap, jQuery
- **Soft Skills:** Leadership, Communication, Problem-Solving, Project Management

## KEY PROJECTS

- **WhatsApp Chatbot (Meta Cloud API):** Automated client communication and support using Meta's Cloud API.
- **Agriculture Marketplace:** Built a digital marketplace for farmers and buyers, streamlining trade and logistics.
- **Leave Management Application:** Integrated with Sage Payroll for real-time leave tracking and compliance.
- **School Management System:** End-to-end platform including library and academic management modules.
- **Branch Profitability Analysis Tool:** Provided actionable insights for financial decision-making.
- **Travel Claims Portal:** Automated travel cost calculation, preventing duplicate or overlapping claims.
- **Accounts Receivables Simulation:** Built a forecasting tool for predicting cash flows and optimizing collections.

## ADDITIONAL INFORMATION

- **LinkedIn:** linkedin.com/in/courage-mhute-8a2b71220
- **GitHub:** github.com/couragemhute
- **Portfolio:** https://courageprofile.vercel.app/
- **Twitter/X:** @mist_coat_zw