COURAGE MHUTE

Software Engineer | Django and Python Specialist

📍 Zimbabwe • ✉ couragemhute21@gmail.com • LinkedIn • GitHub • Portfolio

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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.

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

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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

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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:** couragemhute.github.io/mist_coat
- **Twitter/X:** @mist_coat_zw