

COURAGE MHUTE

Intermediate Software Engineer | Django and Python Specialist

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PROFESSIONAL SUMMARY

Innovative and results-driven software engineer with over two and half years of experience specializing in Python and the Django framework. Adept at crafting dynamic, user-friendly web applications, I am passionate about solving complex problems through technology. I have a proven track record of delivering high-quality projects, including leave management systems, Procurement and Travel Claims portals, and Learning Management Systems (LMS). My expertise extends to PHP, Laravel, MySQL, JavaScript and advanced web development technologies.

PROFESSIONAL EXPERIENCE

Intermediate Software Engineer
Petalm Africa Group, Zimbabwe
January 2023 - Present

- **Developed and maintained a POS system:** Delivered a complete Point of Sale (POS) system built with Django, enhancing transaction management and reporting accuracy across multiple retail outlets.
- **Leave Management System:** Engineered a robust leave management application, integrating complex rules for leave accrual, carry forward, and holiday management. The system improved HR efficiency by 30%.
- **Procurement Portal:** Led the development of a secure procurement web portal that allows admins to create departments and adverts across multiple sectors. Implemented a ranking system for bids, optimizing the supplier selection process.
- **Electronic Document Signing System:** Built and deployed an electronic document signing platform, streamlining the signing process for legal documents and reducing turnaround time by 40%.
- **File Storage System (SharePoint-like):** Created a file storage system for secure document management, enabling version control and access management for users.
- **Branch Profitability Analysis:** Developed a system to analyze branch profitability, integrating financial metrics and providing insights for strategic decision-making.
- **Accounts Receivables Management System:** Designed and implemented a simulation tool to forecast accounts receivables, helping the finance team reduce overdue payments by 20%.
- **Inventory Reconciliation Automation:** Automated inventory reconciliation processes, reducing manual effort and increasing accuracy by 25%.

Software Developer Trainee
Petalm Africa Group, Zimbabwe
June 2021 - December 2022

- **Invoice Tracking System for Car Rentals:** Developed an invoice tracking system tailored for car rental services, enhancing billing accuracy and payment tracking.
 - **Learning Management System (LMS):** Created a comprehensive LMS with features like course creation, attendance tracking, certificate issuance, and notifications for course updates. The system improved training efficiency by 40%.
 - **School Management System:** Played a key role in developing a school management system, focusing on the library management module to streamline book tracking, borrowing, and returns.
 - **Django-Based CRUD Applications:** Built multiple Django-based CRUD applications, including claims portal implementation, MySQL database management and design.
 - **Forensic Audit Web Application:** Initiated the development of a Django web application addressing forensic audit research problems, enhancing the detection and prevention of financial fraud.
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EDUCATION

Bachelor of Science in Computer Science
UNICAF University
May 2021 - January 2025

- **Relevant Coursework:** Software Engineering, Database Management, Cybersecurity, Artificial Intelligence
 - **Certifications:** Certified in Python, Django Framework, Advanced Web Development, and PHP Laravel.
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TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, Java, C++
 - **Frameworks:** Django, Flask, Flutter
 - **Database Management:** MySQL, PostgreSQL, SQLite, NoSQL
 - **Tools & Technologies:** Git, Docker, Jenkins, AWS, Firebase, RESTful APIs
 - **Web Development:** HTML, CSS, JavaScript, Bootstrap, jQuery
 - **Soft Skills:** Leadership, Communication, Problem-Solving, Project Management
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KEY PROJECTS

- **Leave Management Application:** Developed a comprehensive leave management system with advanced features such as integration of various leave types, public holidays, and non-business day rules. The system includes real-time tracking and has

been integrated with Sage Payroll, reducing HR's administrative workload significantly.

- **Travel Claims Portal:** Designed and implemented a portal for managing travel claims, which involved calculating total trip costs based on various parameters like vehicle type and tariffs. The portal ensures accurate reimbursements and prevents overlapping trip claims.
- **Car Rental Invoicing System:** Built a robust invoicing system for car rentals, enhancing billing accuracy and streamlining client communications. This system tracks vehicle usage and generates invoices based on rental agreements.
- **Inventory Automation System:** Engineered an automated inventory management system, improving the efficiency of stock reconciliation and tracking. The system integrates with existing databases to ensure real-time inventory accuracy.
- **Learning Management System (LMS):** Designed and developed an LMS with features like course scheduling, attendance tracking, certificate issuance, and expiration tracking. Automated notifications ensure timely updates and course renewals.
- **Branch Profitability Analysis Tool:** Created a tool to analyze the profitability of different branches, integrating with financial data systems to provide actionable insights for management, aiding in strategic decision-making.
- **Fraud Detection and Prevention System:** Implemented a fraud detection system within an existing application to identify and prevent suspicious activities, thereby enhancing the security and integrity of financial transactions.
- **Accounts Receivables Simulation:** Developed a simulation tool for managing accounts receivables, helping to predict cash flow and optimize collection strategies based on real-time financial data.

ADDITIONAL INFORMATION

- **LinkedIn:** [linkedin.com/in/courage-mhute-8a2b71220](https://www.linkedin.com/in/courage-mhute-8a2b71220)
- **GitHub:** github.com/couragemhute
- **Portfolio:** couragemhute.github.io/mist_coat/
- **Social Media:** [Twitter: @mist_coat_zw](https://twitter.com/mist_coat_zw)