Lesego Dhlamini

Johannesburg, Gauteng, South Africa ✉ lesegojuniorrobert7@gmail.com ☐ 0660216142 🔗 in/lesego-d-a5a7372a0 🔗 lesego-1.github.io/Lesego-1-Portfolio/

SUMMARY

Entry-level Software Engineer skilled in Python and Django, with experience building **CRUD REST APIs, database-driven systems, and secure authentication workflows**. Strong background in **collaborative development, code reviews, and API implementation**, with a focus on delivering **scalable, maintainable applications**.

SKILLS

- **Backend & Frameworks:** Django, Django REST Framework, API Development, Authentication, Pagination, Filtering, Docker, Unit Testing (PyTest)
- **Programming & Tools:** Python, SQL, Git, Jupyter, VS Code

PROJECT

Customer Dispute Classifier
Personal Project • github.com/Lesego-1/Customer-Dispute-Classification • April 2025 - June 2025

- **Designed and built** a Django-based system for processing **200,000+** customer complaints, including text handling, storage, and classification pipelines.
- **Developed REST API endpoints** to serve complaint data, return classification results, and deliver real-time responses to client applications.
- **Integrated third-party NLP services for text summarization, reducing payload size and optimizing backend processing for support workflows.**
- **Engineered automated risk-scoring logic within the backend, streamlining dispute prioritization and supporting faster business decision-making.**
- **Containerized the application with Docker,** ensuring consistent environments and enabling scalable deployments across multiple systems.

University Marketplace (School Project)
Richfield Graduate Institute of Technology • March 2025 - August 2025

- **Led a 5-member team** to deliver a University Marketplace Web Application demo, applying full-stack development and real-world workflows.
- **Implemented a RESTful API with filtering and pagination**, improving product searching efficiency and user experience.
- **Built secure authentication workflows** (signup, login, logout) to manage access for multiple users.
- **Developed automated tests with PyTest** to validate core features, ensuring reliability and reducing defects.

EXPERIENCE

Software Engineering Intern
Perpex   July 2025 - Present
- **Designed and implemented 5+ relational Django models** with proper relationships, ensuring data consistency, integrity, and scalability across multiple modules.
- **Developed and maintained 8+ CRUD REST API endpoints**, improving backend–frontend communication efficiency and supporting key client- facing functionality.
- **Integrated 5+ Django models with serializers**, streamlining data conversion to JSON and ensuring structured, reliable API responses for complex datasets.
- **Implemented authentication and role-based permissions for 2+ user roles**, securing 100% of protected endpoints and guaranteeing restricted access only for authorized users.
- **Conducted 11+ code reviews**, ensuring consistent coding standards and optimized backend logic in Django projects.

EDUCATION

Diploma in Information Technology
Richfield Graduate Institute of Technology • Johannesburg, Gauteng • 2025

- **Completed rigorous coursework in Programming, Databases, and Software Engineering**, complemented by self-directed learning in **Django and Machine Learning** to enhance practical software development skills.
- **Developed hands-on projects using Python, Django, and scikit-learn**, building end-to-end applications and ML pipelines that demonstrate proficiency in backend development and data-driven solutions.