

Eman Amir

Software Engineer

A creative, hardworking, and result-oriented professional with about 2 years of experience developing, deploying, and dockerizing full stack (Python, Django, Flask, FastAPI) applications. Passionate and eager to work and evolve

Experience

Axiom World, Software Engineer

April 2025- Present

- Working on customer and product data migration from Neto (Maropost) to Odoo using XML-based APIs.
- Analyzing Odoo models like `res.partner` to understand field mappings and relationships.
- Writing Python scripts to structure and clean incoming data for accurate import into Odoo.

FLICKEN, Software Engineer

February 2024- April 2025

- Developed and optimized RESTful APIs using Django and DRF, reducing API response time by 30%.
- Led AI/ML-driven projects, improving data processing speed by 50% and enhancing customer engagement through chatbot automation.
- Designed and implemented CI/CD pipelines, reducing deployment time by 40% and enhancing scalability and automation
- Integrated Redis caching, reducing database query load by 35% and improving response times.

FLICKEN, — Software Engineer Intern

November 2023 - January 2024

- Started with Python, quickly advancing to web scraping, developing efficient scripts for accurate data extraction and manipulation.
- Built 3+ web scraping projects, automating data collection and improving processing accuracy.
- Transitioned to Django, developing a full-stack web application to enhance backend functionality.

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SKILLS

Software Architectures

- Model-View-Template
- Microservices
- Event-Driven
- Monolithic

Development Process

- BDD
- FDD
- TDD

Programming Languages

- Python
- C++
- SQL
- HTML & CSS
- Javascript

Frameworks

- Django
- Flask
- FastAPI

Databases

- Postgres
- Sqlite
- MySQL

ORMs

- Django ORM
- SQLAlchemy
- Flask-SQLAlchemy

- Designed and implemented a backend system using Django REST Framework (DRF), optimizing API performance and scalability.

Projects

VIDEO ANNOTATION — *Full Stack Developer*

Python, Django, OpenAI, Claude AI, Eleven Labs API, PySceneDetect, ffmpeg, PostgreSQL

Developed an AI-powered video processing tool that segments ads into a scene library for reuse. The system matches new ads with existing scenes, rewrites scripts, and generates new videos, reducing manual editing by 60% and streamlining ad creation.

LYGAS — *Full Stack Developer*

Django, Python, OpenCV, PIL, PostgreSQL, HTML, CSS, JavaScript

Developed an image processing tool for doctors to examine X-rays, including multi-frame DICOM support. Features include brightness/contrast adjustment, bounding boxes, and real-time image processing to aid diagnostics.

TRADING APP— *Backend Developer*

FastAPI, Celery, Docker, PostgreSQL, Redis | Python

Supported an external app at Toahsi by developing the tournament feature and deploying it on GCP. Containerized the project with Docker and set up CI/CD pipelines for seamless deployment via Google Cloud Run.

PAYMENT MIGRATIONS— *Backend Developer*

Chargebee, Stripe API | Python

Automated the migration of customers and subscriptions from Chargebee to Stripe, ensuring a seamless transition. Created Stripe products, imported subscription data, and scheduled Chargebee cancellations post-migration.

THESIS PROJECT — *Backend Developer*

DevOps Services

- Docker
- Google Cloud Platform
- AWS (S3.. etc)
- Pythonanywhere

AI Tools & APIs

- OpenAI
- Claude AI
- Eleven Labs API

Operating System & Utility

- Linux
 - CURL and APT
- Windows
 - Chocolatey

Version Management Tools

- Git
- Github

Development Tools

- Visual Studio Code
- Pycharm
- Sublime

Project Management Tools

- Trello
- Cliq
- Slack

CERTIFICATIONS

- Problem Solving
- Prompt Engineering
- Introduction to Python
- SQL
- Jupyter Notebook

AI/ML | Collaborative Filtering, WORD2VEC, Django, Scikit-Learn, PostgreSQL | Python

Developed a hybrid recommendation system using collaborative and content-based filtering, improving accuracy by 35%. Designed user-adaptive recommendations based on search data, skills, education, and interests for personalized suggestions.

E-Learning Backend— Backend Developer

Django Rest Framework, PostgreSQL | Python

Developed a DRF-based backend for an educational platform with user roles, course management, and content delivery, ensuring secure access and efficient content distribution.

COURSE BUILDER— Backend Developer

OPenAI, Django | Python

Developed an AI-driven course management system that automatically breaks down course documents into modules, micro-lessons, and quizzes. Implemented dynamic quizzes with real-time feedback and progress tracking.

ChainabizList— Full Stack Developer

Django, SQLite | Python

Imported business data from Excel into a database and developed searchable listing APIs for efficient data retrieval—Integrated Stripe for secure access control and seamless payment processing.

Education

BS Computer Science, Superior University

Nov 2020 - June 2024

Gold Medalist, Batch 2020-2024

Major GPA: 3.82 / 4.0

HOBBIES

- Learning new Technologies
- Trying new Food
- Learning Machine Learning
- Calligraphy
- Solving Coding challenges

LANGUAGES

- English
- Urdu

REFERENCES

Will be furnished upon request