



Mani Mozaffar

Python Backend Engineer

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Profile

6 Years Experienced Python developer passionate about open source projects. Fluent in Python, interested in PEPs and CPython implementation; skilled in leading development and improving Backend architecture. Committed to mentoring and staying up-to-date with the latest technologies.

Professional Experience

Founder & Backend Engineer, Snipe Transfer

01/2022 – 04/2023 | Remote, International

SnipeTransfer is a fast, secure, and affordable SaaS that makes Fifa coin transfer automated, by an innovative method called Snipe, enabling reseller companies to resell coins to end users.

- Designed a distributed marketplace with microservices on five servers via API endpoints for scalability.
- Constructed a systematized transaction system with PostgreSQL replication, indexing and materialized views, for efficiency and high volumes.
- Implemented a locking mechanism using Redis' watch and pipeline to access rows that outperformed traditional SQL transactions, ensuring race condition.
- Developed the project as B2B SaaS with Django, Django Rest Framework, Redis, PostgreSQL, Docker, Celery, Flower, Redocs, and Swagger which is serving **4M** daily requests

Founder & Backend Engineer, Fut Champion

09/2017 – 12/2021 | Tehran, Iran

Iran's first automated platform for buying and selling coins with a 5-year track record of satisfying more than 20,000 users. Easy-to-use system with a variety of crawlers adopting all user's needs.

- Migrated backend from Laravel to Django, cPanel Hosting to Dedicated Server, and MySQL to PostgreSQL with changing database schema by using API-driven data migration.
- Optimized Referral program with CTE query for faster response and accurate bonuses with connection's schema, disabling the needs for using GraphQL database.
- Collaborated with an external AI service to integrate image-based Captcha solver, achieved 70% success rate.
- Recruited and coached freelancers to foster a scrum collaborative work environment to achieve shared goals.

Skills

AWS (CLF-C01)

Python

Celery

FastAPI

Tortoise

SQLAlchemy

Docker

PostgreSQL

Redis

Unit-Test

PyTest

TDD

Design Patterns

Clean Code

Microservices

Git & Github Action

DevOps Fundamental

Projects

LinkedIn Job Finder

- Implemented an isolated secure service to input Python code to the application to create logical nested expression query filters without limitations to adopt any adjustments
- Automated LinkedIn job search with advanced Playwright browser automation and FastAPI integration.
- Included NPL analysis for required skills identification, translation, visa sponsorship analysis and summarization to report to users.

Fastapi Integration

- Mimic Django ORM structure, improving code readability and adhering to FastAPI best practices; Avoided common mistakes in the Django design pattern, with cached SQL constructor.
- Implemented unit test alongside with Github Action and workflow, respecting **CI/CD** best practices, and Flake8 styling.

Teaching Experience

Istanbul Technical University International Students,

Introduction To Python And Backend

- Managed a small classroom using student-centered learning and modeling techniques to simplify complex material

Certificates

- AWS Certified Cloud Practitioner

Languages

English (Full Professional Proficiency)