

Ghasem Matoo

Python Backend Developer

I am a python developer with two years of experience in web development, delivering software solutions and tasks using Django, Django REST framework and databases such as PostgreSQL and Oracle. I am eager to contribute, grow and be productive in professional and friendly teams.



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WORK EXPERIENCE

Backend Developer Zekavat

06/2023 - Present

Achievements/Tasks

- Implemented a REST API with DRF to aggregate data from multiple databases including MSSQL, My SQL and Elasticsearch to build an interactive dashboard and single page application similar to Kibana.
- Project structure followed django-cookie-cutter style allowing us to isolate development and deployment dependencies, settings and docker files.
- Implemented an authentication service utilizing JWT to consume a central SSO service and verifying user using an OTP code. Additionally integrated custom user permissions into SSO service.
- Implemented multiple customized filters using django backend filters, allowing clients to gather variety of reports differed by time laps and fields. Additionally implemented customized render classes to simplify client needs to draw interactive charts.
- Added a cache layer to cache non changing weekly and monthly reports using memcached.
- Implementing scheduled celery tasks to update database for report records from multiple external sources.

Backend Developer Asmari Insurance

09/2022 - Present

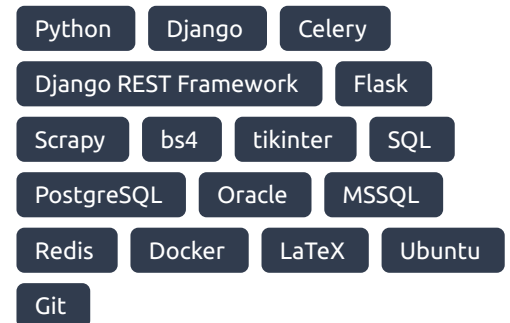
Achievements/Tasks

- Implemented various REST API end points to get consumed by central insurance using DRF and requests library. Additionally implemented multiple SOAP services to call central insurance APIs using zip library.
- Maintained and refactored legacy code base by re-organizing functional business routines into class based services, optimizing queriesets, lowering redundancies and keeping code base small.
- Upgrading Django version from 2.2 to 4.2 and updating key dependencies, while simultaneously upholding database migrations, models. The requirement for this was extending the Operation Classes of the Oracle backend driver, an integral part of the Django ORM.
- Implemented a SMS notification panel using django admin and an external REST API service. Additionally monthly reminder SMS notifications scheduled using celery tasks.
- Implemented a report system to aggregate yearly data across multiple business models. As a requirement, an Oracle materialized view table was implemented along with a un-managed django model.
- Improved report system performance using python XlsxWriter to generate large scale excel files. Integrated jasper report system into django application by using PyReportJasper to generate PDF reports using JSON files which previously were generated via LaTeX.

EDUCATION

Electronic Engineering Babol University

SKILLS



PERSONAL PROJECTS

Project Cost Estimator

Currency Exchange Rate Scrapper & API

Car value Scraper

Patient List Admin Panel

Travel Blog

Customer Loyalty Reporter

LANGUAGES

Persin

Full Professional Proficiency

English

Limited Working Proficiency