Maryam Poortarigh

Python Backend Developer

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Executional Summary

As a Python Backend Developer, my expertise lies in leveraging cutting-edge technologies and frameworks to develop web-applications and provide server-side solutions. I am keen to implement asynchronous programming methodologies for computationally heavy operations, including machine learning algorithms, to augment the app's efficiency.

Skills

Concurrency:	**Asyncio - Multiprocessing**
Design Principle:	**GOF Design Pattern**
Relational Databases:	**PostgreSQL - MySQL**
NoSQL Databases:	**MongoDB - Redis**
Testing:	**Unit testing - TDD**
CI/CD:	**TravisCI**
Version Control:	**Git**
Websockets:	**Django Channels**
Message broker and caching:	**Redis**
Task Queues:	**Celery**
Containerization:	**Docker**
APIs:	**REST**
Web Framework:	**Django**
Machine Learning:	**ANNs, Metaheuristic Algorithms**
OS	**Linux**

Education

2012–2015 [†]   **MSc of Knowledge Engneering**

Kharazmi University, Tehran, Iran

2006–2010   **BSc of Applied Mathematics**

Guilan University, Rasht, Iran

Work experience

2022–2023   **Odoo Developer**, Mana Company, Tehran

[1] Customization of Odoo models in order to meet users' requirements.

[2] Adding graphical representations including graphs, diagrams and pivot tables to enhance analytical capabilities.

[3] Odoo Security

2019–2022   **Django Developer**, Vatanzarin Industrial Group, Tehran

[1] Development of Django-based software, employing technologies such as concurrency mechanisms, Celery task queues, channel layers, WebSocket communications, broker services, AJAX polling, etc.

[2] Testcasing by TestCase, Unittes, APIClient. Integration test using Git and TravisCI.

[3] Application containerization utilizing Docker technology.

2017–2019   **Machine Learning Engineer**, Freelancer

[1] Solving optimization problems through Metaheuristic Algorithms.

[2] Forecasting and Function Approximation utilizing Artificial Neural Networks and Time Series Data.

Languages

2019   IELTS degree with an overall band score of   6.5

Papers

[1] (2018). "An Artificial Neural Network and Bayesian Network Model for Liquidity Risk Assessment in Banking" NEUROCOMPUTING 275 (2018) 2525-2554. Madjid Ta- vana a , b , Amir-Reza Abtahi c, Debora Di Caprio d , e , Maryam Poortarigh c

[2] (2017). "A New Model for Probabilistic Multi-Period Multi-Objective Project Selection Problem" 24 th International Conference on Production Research. K.Khalili-Damghani 1, M. Poortarigh 2, A. Pakgohar 3