محمدرضا وطن خواه

Developer and System Administrator

درباره من

Experienced Software Developer adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Equipped with a diverse and promising skill-set. Proficient in various platforms and languages. Experienced with the latest cutting edge development tools and procedures. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

تجربه‌های کاری

Software Engineer

Graph Inc | اسفند ۱۳۹۹ تا حالا

Concurrency And Parallelism With Python (Threads, Async And Multiple Processes In Python)
Implement stream download for very large files using Aiohttp and Asyncpg (compress multiple files on-the-fly)
Design and implementation of various engines using ØMQ (or ZeroMQ) and MQ in Python and Cython
Implement Search Engine using Elasticsearch (streaming-search) for very large volumes of data and insert data on Elasticsearch (async_streaming_bulk)

Full Stack Developer

Upwork | فروردین ۱۳۹۶ تا حالا

Done many projects in various fields.
Extract heavy data from multiple websites and collect in a database
Predict data and draw various graphs
Implement several Websites and Microservices with Flask and deploy on a Linux server
Configure various databases, including implementing Timescale on PostgreSQL for very heavy queries (PostgreSQL for time-series)
Captcha detection using image processing and TensorFlow
Etc ....

Senior Python Developer

Raimun | آبان ۱۳۹۹ تا حالا

Implementing a back-end is an online classroom and meeting platform designed with a Microservice architecture that uses Janus WebRTC.
Implement event Microservice to create and manage class, meeting, online chat, etc
Implement Telemetry Microservice to store all Janus logs in MongoDB
Use socketIO and rabbitmq in event microservice
Serve the event Microservice using gevent and monkey_path

Back-end Developer

vc-platform | شهریور ۱۳۹۹ تا بهمن ۱۳۹۹

A Microservice that takes data from a Webhook and modifies the data using
formulas and stores it in the database and has several endpoints with
different methods.
Microservice with Flask , Swagger and multiple endpoints
MongoDB database
Webhook with jwt Authentication
Rabbitmq is used to communicate with other Microservice

Full Stack Developer

binance auto trader | تیر ۱۳۹۹ تا بهمن ۱۳۹۹

Design and implementation of a trading robot in a binance exchange with a
management dashboard.
Intelligent detection of buying or selling position using different algorithms
Complete management of API binance for sending orders and receiving
information and setting take profit and stop loss values for managing
maximum profit and minimum loss
Implement a management dashboard using Flask and Websocket

Full Stack Developer

MasterAbode | مرداد ۱۳۹۹ تا بهمن ۱۳۹۹

Full implementation of an online real-estate consulting website.
This website takes a series of basic information from the user, including
salary, the number of children, desired budget , the desired areas, etc., and
gives the customer a Percentage probability of purchase or rent by using the
desired formulas and data in several regions of Australia.
Periodic extraction of apartment and house price data in different parts of
Australia and storage in the database
Implement back-end with Flask
PostgreSQL database
Front-end with JavaScript, HTML, CSS
Use google map API with JavaScript

Full Stack Developer

Irexlist | آذر ۱۳۹۸ تا شهریور ۱۳۹۹

Extract the price of digital currency from several exchanges in parallel and
calculate the arbitrage position between exchanges and automatically
exchange between exchanges based on the initial minimum profit
configuration.
Extract data at very high speeds and in parallel
Quick IP change using the Tor service to avoid data mining
Automated trading robots for several reputable exchanges with consideration
of trading fees
Create a management dashboard with charts and tables designed in real-time
with web-socket
Implement several algorithms to predict currency prices
Implement a management dashboard using Flask and Websocket

اطلاعات تماس

تماس از طریق جابینجا

اطلاعات شخصی

سال تولد: ۱۳۷۶
وضعیت سربازی: معافیت تحصیلی
وضعیت تأهل: متأهل

زبان‌ها

انگلیسی (متوسط)

مهارت‌های حرفه‌ای

‏. SQL Databases . Microservice . Django . Flask . Linux . Python
‏. Deep learning . Machine learning . TimescaleDB . NoSQL Databases
‏. Docker . git . Shell Scripting . C . Go . C++ . Image Processing
‏Redis . REST API . Web Crawling . WEB Script