SINA QAHREMANI

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SUMMARY

Results-driven software developer with extensive experience in Python, Django, Flask, Node.js, and Nest.js. Proven track record in developing robust and scalable web applications. Adept at collaborating with cross-functional teams to deliver high-quality software solutions.

SKILLS

- **Programming Languages:**
  Python (Django, Flask), JavaScript (NodeJS, NestJS, typescript), SQL

- **Frameworks and Tools:**
  Pycharm, WebStorm, VS Code, Docker, Git, Kafka, Redis, ELK(Elastic, Logstash, Kibana)

- **Technologies:**
  MVC, Microservices, REST API, GraphQL API, Socket, Design Patterns, OOP,

- **Web Technologies:**
  HTML, CSS

WORK EXPERIENCES

- **Backend Developer (Django, NestJS)**, Hamrah Academy, Tehran, Iran, April 2023 - September 2023
  Developed a modern web platform for viewing and sharing media, utilizing a full stack of Django and React, including a REST API for seamless data interactions. Additionally, I implemented a microservice architecture using NestJS for a recruitment platform designed to select internship applicants based on resumes and conduct online tests.

- **Backend Developer (Django, NestJS), AI Developer**, Dorfak, Tehran, Iran, July 2021 - April 2023
  Spearheaded the development of AI-driven solutions for crypto trading, leveraging reinforcement learning and transformer models to analyze financial time series data. I also architected and developed two major software applications using NodeJS (NestJS) and Python (Django) for algorithmic trading and portfolio management, focusing on building robust infrastructure and data solutions for the asset management sector.

- **Leading Backend and AI Team**, Mapno, Tehran, Iran, January 2020 - June 2021
  Led a team of developers in using Django to create an automated trading system for cryptocurrencies and developed AI tools for market trend prediction and price analysis. This leadership role involved strategic planning and direct management of team operations to drive innovations and deliver valuable trading insights.

- **Backend Developer**, Mapno, Tehran, Iran, January 2019 - January 2020
  Utilized Django to develop and maintain a comprehensive dormitory management system, which included building user-friendly web interfaces and optimizing backend processes. This project showcased the ability to effectively manage large datasets and integrate various functionalities into a seamless user experience.

EDUCATION

- **PhD,** *(Sep 2023 - present)*: Electrical Engineering, Department of Electrical and Computer Engineering, Queen's University, Kingston, ON, Canada

- **MSc,** *(Sep 2018 - Aug 2021)*: Electrical Engineering, Department of Electrical Engineering, Sharif University of Technology (*Sharif*), Tehran, Iran,

- **BSc,** *(Sep 2013 - Aug 2018)*: Electrical Engineering, Department of Electrical Engineering, Hamedan University of Technology (*HUT*), Hamedan, Iran,