

ALI QASEMI

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Objective

I am seeking a backend developer position where I can contribute to the development of applications, software architecture, and machine learning models using Python while ensuring efficient performance. I am particularly interested in projects involving PHP Laravel, Golang, and data-driven systems.

Education

- **Shahrood University of Technology (2020 – 2022)**

Master's degree in Software Engineering

Developed a tourism destination recommendation system using Python, integrating Density Means clustering and Genetic Algorithms to improve recommendation accuracy. Achieved a 28% improvement in precision and user satisfaction compared to traditional methods, enhancing personalization and contributing to the application of evolutionary algorithms in data-driven systems.

- **Shahrood University of Technology (2016 – 2020)**

Bachelor of Engineering in Software Engineering

Experience

- **Backend Developer, yasin.ai (Jun 2023 – Nov 2024)**

- Led initial development of the Shia Muslim application, including backend and management panel.
- Implemented data streaming for videos, live streams, and audio, categorized and tagged for user subscriptions.
- Developed streaming data services using Golang and the Mux framework, achieving a 30% increase in streaming speed without server crashes.
- Optimized performance using PHP Laravel and Octane, reducing latency from 500ms to 150ms and increasing requests per second from 120 to 190.
- Fully dockerized the application with services like MongoDB, MySQL, Redis, MinIO, and Prometheus for scalability.

- **Backend Developer, willaarts (Sep 2020 – Aug 2022)**

- Designed a web builder panel using PHP Laravel and Vue.js, enabling client website design.
- Developed LMS and roll call systems integrating PHP Laravel backend and Vue.js frontend.
- Created a podcast server with publishing capabilities and contributed to multiple client modules.

Skills

Programming Languages: PHP, Golang, Python

Technologies: Laravel, MySQL, MongoDB, Docker, Redis, MinIO, Vue.js, Monitoring

Other: Algorithm Design, Data Structures, Machine Learning

Courses

- Professional Project-Oriented Course In Natural Language Processing (NLP)
[Certificate Link](#)
- Docker Expert at TOSINSO
[Certificate Link](#)
- Task-Oriented Course in Version Control with Git at Quera
[Certificate Link](#)
- Advanced Algorithmic Thinking and Data Structure at Quera
[Certificate Link](#)

Projects

- **Shia Muslim Application**
shiamuslimproject.com — [Play Store](#) — [App Store](#)
This application provides spiritual content consisting of Quran, Duas, Nahjolbalagha, Sahife, video and audio streaming, podcasts, a social media platform, a library, Istikhara services, and various religious courses.
- **Divine Muslim Project**
divinemuslim.com — [Play Store](#) — [App Store](#)
This project includes Quran and Duas with recommendations for clients to enjoy personalized spiritual experiences.
- **willlaarts Project**
[cms-website](#)
This is a web builder application designed to dynamically create templates and modules tailored for businesses.
- **Density Kmeans Cluster**
[GitHub Repository](#)
This project was developed for automatic clustering, which minimizes the dependent variables for clustering. In this method, density clustering of points is very important, and its result will be published in the article. Also, this cluster was able to reduce the problems encountered in Kmeans and DbSCAN clustering.

Additional Information

Military Service: Completed (November 2022 – October 2024)