

ALI QASEMI

Qom, Iran

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Objective

I am primarily a backend engineer with extensive experience in developing scalable and efficient server-side applications. Over the years, I have worked with PHP (Laravel), Golang, Docker, and modern infrastructure tools to build robust systems. Alongside my backend expertise, I have strong knowledge and hands-on experience in AI, especially in deep learning using TensorFlow, Keras, and PyTorch. I am looking for roles where I can contribute to either backend or AI-driven projects, ideally combining both skill sets to build intelligent and scalable software solutions.

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, Fitamin (Dec 2024 – Present)**

- Developed backend services and additional features using PHP Laravel.
- Designed and implemented a notification service to improve user engagement.
- Attempting to research how we can develop chat functionality with LLM models, including fine-tuning and retrieval-augmented generation (RAG).
- Developed an AI application with FastAPI and worked with LangChain for interactive tasks with AI models like GPT, Cohere, and others.
- Built a real-time CDC (Change Data Capture) pipeline from MySQL to ClickHouse using Debezium and Kafka for event streaming.
- Created custom Python Kafka consumers to process and filter events based on insert/update logic and insert relevant data into ClickHouse.

- **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, Python, Golang

Technologies: TensorFlow, Keras, PyTorch, scikit-learn, Matplotlib, Seaborn, NumPy, Pandas, FastAPI, LangChain, Laravel, MySQL, MongoDB, Docker, Redis, MinIO, Vue.js

Data Streaming and CDC: Debezium, Apache Kafka, ClickHouse, Python Kafka Consumer Development

Other: Deep Learning, Neural Networks, Algorithm Design, Data Structures

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](#)
- Deep Learning Course
[Certificate Link](#)

Additional Information

Military Service: Completed (November 2022 – October 2024)