

# ALI QASEMI

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## Objective

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*I am seeking a backend developer position where I can contribute to the development of applications and software architecture while ensuring efficient performance. I am particularly interested in projects involving PHP Laravel and Golang.*

## Education

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- **Shahood 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 percent improvement in precision and user satisfaction compared to traditional methods, enhancing personalization and contributing to the application of evolutionary algorithms in data-driven systems.
- **Shahood University of Technology (2016 – 2020)**  
Bachelor of Engineering in Software Engineering

## Experience

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- **Backend Developer, Willa Arts (Sep 2020 – Aug 2022)**
  - Designed the panel for a web builder application using PHP Laravel and Vue.js.
  - Implemented a module enabling clients to design websites with various features.
  - Developed a roll call system with Vue.js for the frontend and PHP Laravel for the backend.
  - Built an LMS module for remote instruction using PHP Laravel for backend course management and Vue.js for client-side slide displays.
  - Created a service store introducing company services with categories and features using PHP Laravel and Vue.js.
  - Developed an audio server for podcasts and voice content with publisher features, leveraging PHP Laravel and Vue.js frameworks.
  - Contributed to multiple modules offered as features to clients.
  - Utilized Vue 2 and Vuex for state management, and transitioned to Vue 3 and Pinia for advanced store management.
- **Backend Developer, Yasin.ai (Jun 2023 – Nov 2024)**
  - Led initial development of the Shia Muslim application, including backend and management panel.
  - Designed a panel to manage texts, duas, and scriptural content categorized for immediate searching.
  - 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.
  - I am using Go threads and a database queue for streaming data, which resulted in a 30 percent increase in streaming speed based on my setup without any server crashes.
  - Managed application content and context with PHP Laravel.
  - Integrated Elasticsearch for rapid and efficient content searching.
  - Optimized application performance using Octane technology with Golang for the Laravel framework to handle high request volumes.
  - Fully dockerized the application, including MongoDB, Octane app, MySQL, Golang, Nginx, Redis, MinIO, Prometheus, and Grafana.

- Created metrics for Prometheus with cache management to analyze application and user request patterns to identify areas of high interest.
- Enabled multilingual support across all aspects of the application, allowing dynamic addition of new languages via the management panel.
- Leveraged technologies such as MySQL, MongoDB, Redis caching, and Golang streaming for scalable data handling.
- I achieved a significant reduction in latency, improving response times from about 500ms seconds to about 150ms seconds. Additionally, I increased the request processing capability from about 120 requests per second with PHP-FPM to about 190 requests per second using Swoole, based on my setup.

## Skills

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**Programming Languages:** PHP, Golang, Python

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

**Other:** Algorithm Design, Data Structures

## Courses

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- 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

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- **Shia Muslim Application**  
[shiamuslimproject.com](https://shiamuslimproject.com) — [Play Store](#) — [App Store](#)
- **Divine Muslim Project**  
[divinemuslim.com](https://divinemuslim.com) — [Play Store](#) — [App Store](#)
- **Willa Arts Project**  
[cms-website](#)