MEHDI ABEDI

Senior - Backend/AI Engineer

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📍 Open to Remote & International Opportunities

EXPERIENCE

Backend/AI Engineer
Documulate

03/2025 - Present   • Full-time Remote

- Built core backend services using FastAPI, PostgreSQL, and Supabase
- Designed and implemented an Agentic Chat API using RAG pipelines and re-ranking strategies
- Integrated Langfuse for prompt-level tracing and LLM observability
- Engineered AI productivity tools for document intelligence, search, and summarization
- Ensured clean architecture, high test coverage, and production reliability

Co-Founder
BluC.ir

09/2023 - 09/2025   • Full-time

- Architected an S3-compatible object storage platform using SeaWeedFS
- Built BluBM (Blue Backup Manager) using Laravel for automated backup workflows
- Developed custom WHMCS modules for provisioning, billing, and automation
- Designed BluDN CDN using PowerDNS for scalable content delivery
- Implemented 4x replication, eliminating data loss and single points of failure

Senior Backend
DNJ Co

2022 - 2024   • Full-time

- Designed and implemented an internal portal for a client, streamlining task and workflow management for 500 employees, boosting productivity and operational transparency
- Refactored a legacy client website into a robust 14-language Laravel platform powered by Octane (Swoole), leveraging Docker for reliable deployments, handling 1,000,000 requests per hour, and storing files securely on AWS S3
- Developed and maintain open-source libraries hosted on GitHub under the ^@dnj organization, delivering reusable and impactful tools to the developer community
- Ensured strict PHPUnit test coverage of 80% or higher across all projects, reinforcing code reliability, performance, and maintainability
- Collaborated with cross-functional teams to optimize the performance and scalability of key projects, ensuring long-term sustainability

SUMMARY

Senior Backend & AI Engineer Backend engineer with over 10 years of experience in building scalable, production-grade systems using **Laravel/Swoole**, **FastAPI**, and **Node.js**. Recently, I have focused on AI-powered backends involving **LLM integrations**, **RAG pipelines**, **semantic search**, **re-ranking**, and **agentic APIs**. I have delivered systems that handle approximately 1 million requests per hour with robust reliability, excellent test coverage, and a clean architecture. Comfortable managing backend processes from design to deployment within startup and product-driven teams.

LANGUAGES

English:
B1

Persian:
Native

SKILLS

Backend:
Laravel/Swoole   FastAPI   Node.js

AI/LLM:
OpenAI API   RAG
Semantic Search   Re-ranking
Prompting
Langfuse (tracing/observability)

Data:
PostgreSQL   MySQL/MariaDB
Redis   MongoDB   Supabase
S3/SeaWeedFS

Infra:
Docker/Compose
GitHub Actions CI/CD   Linux
Nginx   AWS (Lambda, S3)

EXPERIENCE

Backend Developer

Jey Server

2020 - 2022 • Full-time

- Contributed to the development of Jalno, a custom open-source PHP framework, by implementing critical components that are still actively maintained and accessible on GitHub
- Collaborated with a team of 6 developers to scale the platform, supporting 12,000 WordPress sites and processing 141,000 orders
- Played a key role in creating an advanced, fully automated OS installation system for Linux and Windows on VPS (VMware ESXI) and bare metal servers, enhancing deployment efficiency
- Assisted in hosting assets on AWS S3 for scalable and secure file storage, ensuring consistency across various environments
- Worked closely with Docker to streamline deployments, improve infrastructure reliability, and standardize development processes

Backend Developer

Dorna Server

2018 - 2020 • Full-time

- Developed a comprehensive API for DornaServer that interfaces with VMware ESXi to manage virtual machines
- Designed API functionalities for seamless creation of VMs, installation of various operating systems (Windows and Linux), and cloning from existing VM templates
- Supported essential VM operations, including power-on, power-off, restart, suspend, edit, and deletion of VMs
- Streamlined virtualization processes, providing a robust solution for efficient VM management
- Conducted performance optimizations to enhance system reliability and responsiveness under high workloads

EDUCATION

B.Sc. Computer Engineering (Software Engineering)

IAU

📅 2017 - 2021 📍 Najafabad

PROJECTS

TagGen-AI

🔗 https://github.com/itsmattius/TagGen-AI

- AI-powered tag generation from text and files
- Supports OpenAI and HuggingFace models
- FastAPI-based REST API with intelligent content analysis

Laravel BluSchedule

🔗 https://github.com/itsmattius/laravel-bluschedule

- A Laravel package that enables database-driven task scheduling
- Allows dynamic management of scheduled commands without modifying code or redeploying the application

WordPress Flysystem S3

🔗 https://github.com/itsmattius/wordpress-flysystem-s3

- A plugin that automatically uploads images, videos, documents, and other media added through WordPress' media uploader to remote storages that support S3