AMIN GHANINIA
SENIOR BACKEND ENGINEER

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SUMMARY

Ambitious, self-empowered and a deep thinker, With over +10 years of practical experience as a backend engineer, I excel in all stages of the development cycle to produce high-quality, user-friendly, scalable, and bug-free software for dynamic web projects. Specialized in data security and performance optimization, with the ability to implement innovative solutions to enhance system efficiency and safety.

AREAS OF EXPERTISE

BACK-END PROGRAMMING LANGUAGES: PHP, GO, Python

SQL DATABASES: MySQL, SQLite, PostgreSQL, Click House

NOSQL DATABASES: Redis, MongoDB

DESIGN PATTERNS AND AGILE PRINCIPLES: SOLID, DRY, YAGNI, KISS, Demeter, MVC, Microservice Architecture

WEB SERVICES ARCHITECTURE/TOOLS: restful, GRPC, Swagger, Postman,

TEST FRAMEWORKS: PHP unit, Mockery, pest, Testify

AGILE METHODOLOGIES: Scrum

SVN, CVN KNOWLEDGE: GitHub, Gitlab, Git Flow, GitHub action

TECHNOLOGIES/FRAMEWORKS: Laravel, Lumen, Phalcon, TK, RabbitMQ, Kafka, Gin, Gorm

CONTAINERIZATION: Docker, Docker swarm, Kubernetes

TOOLS: Trello, Jira, Azure DevOps, Linux (Fedora & Ubuntu), Grafana, Gray Log, Kong API Gateway

FRONT-END KNOWLEDGE: Java script, ES6, jQuery, HTML5, CSS3, SCSS, Bootstrap

EXPERIENCES

BACKEND ENGINEER | SABAIDEA﹛ FULL TIME (TEHRAN, IRAN)

FEB 2024 – PRESENT

Saba Idea is a pioneering and leading Video-on-Demand (VOD) and streaming company dedicated to creating an innovative environment for sharing vlogs, game streaming, and knowledge exchange and has developed a robust platform that caters to millions of users, providing high-quality content and a user-friendly experience.

- worked on the comment section and its management for short videos, focusing on sorting based on user behavior patterns.
- implemented and developed multi-threaded methods with a backoff strategy to accelerate the consumption of Kafka messages.
- worked on the statistical analysis of short videos and comments, aggregating them with existing services using various engines like Click House.
- implemented a fraud detection system for calculating user revenue and views.

BACKEND ENGINEER | SNAPPMARKET﹛ FULL TIME (TEHRAN, IRAN)

SEP 2022 – FEB 2024 (1 YR 6 MONTHS)

Snapp Market, the largest online supermarket holding company, encompasses a range of diverse services in the supermarket industry.

- Developed a Golang program to address price discrepancies and syncing issues between stores, resulting in an 80% increase in efficiency compared to the previous system. Implemented comprehensive unit tests to ensure code reliability.
- Resolved legacy code issues, added unit tests to several microservices, and introduced new features to the back office.
- Revised core processes using PHP (Laravel & Symfony) by integrating a Cache Layer and optimizing queries and code memory usage.

- Initiated and implemented a new order accountant module, leading to a 20% reduction in refund-related bugs.
- Analyzed and implemented a novel warehousing management service using Golang & Gin. This service streamlined the ordering of goods supply and managed product entry into warehouses effectively.

BACKEND ENGINEER | HAMDA ┬ FULL TIME (BABOL, IRAN)

APR 2021 – NOV 2022 (1 YR 8 MONTHS)

Hamda is an integrated automation that helps pharmacies to manage financial accounts.

- Participated in planning sessions and brainstormed to identify optimal solutions.
- Resolved architectural design issues and normalized 140 database tables, enhancing data integrity and efficiency.
- Developed a cache system for asynchronous registration reports and information logging services.
- Designed a real-time chat system using sockets that sent automated SMS if recipients did not respond within a specified timeframe.
- Led a project that redesigned end-to-end service processes. The project restructured communication flows across 10 departments, reducing paperwork by 75% while significantly enhancing operational efficiency.
- Conducted daily code maintenance tasks by debugging issues and resolving server-side problems to ensure smooth operations.

BACKEND ENGINEER | COFFEE SOAL ┬ PART TIME (BABOL, IRAN)

MAY 2018 – JAN 2020 (2 YRS 6 MONTHS)

Coffee Soal is a platform for designing university test questions.

- Successfully implemented a robust system architecture that supported three distinct levels of access—student, professor, and administrator—ensuring secure and role-based functionality.
- Utilized a cache system to efficiently display questions and feedback queries, significantly enhancing user experience through faster data retrieval.
- Created comprehensive test questions based on student-designed templates and generated PDF outputs for seamless assessment processes.
- Developed an innovative platform that empowered students to design, score, and rectify question-related issues independently, fostering interactive learning environments.
- Designed an intuitive section for reporting the activities of both students and professors. This module provided valuable insights into engagement metrics and performance tracking.

FULL STACK DEVELOPER | SELF-EMPLOYED ┬ FULL TIME (BABOL, IRAN)

JAN 2014 – JAN 2018 (4 YRS 1 MONTH)

As a seasoned freelancer with a passion for innovation and problem-solving, I have successfully navigated numerous projects across various domains. You can visit my website to view completed projects.

EDUCATIONS

1. BACHELOR'S DEGREE SOFTWARE ENGINEERING (PNU, Babol, Iran)
2. PGD MATHEMATICS & PHYSICS (Taleghani High School, Babol, Iran)

CERTIFICATES

1. HACKER RANK
   - SQL Intermediate
   - SQL Basic
2. SOLO LEARN
   - SQL
   - PHP