

Ehsan Karimi *Nodejs and Go programmer*

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Driven and passionate backend developer with over 4 years of expertise in Python, JavaScript, and Go, dedicated to building high-quality, scalable solutions. Known for my enthusiasm in tackling complex challenges and commitment to continuous learning. I thrive on creating efficient systems and aspire to contribute to innovative projects with leading global companies, bringing both expertise and an eagerness to push boundaries in every collaboration

SKILLS

JavaScript, Typescript, Golang, Node.js, NestJS, Express.js, Prisma, TypeOrm, PostgreSQL, Mysql, Elasticsearch, Redis, Gin, Fiber, Gorm, Python, FastAPI, Flask, Linux, Docker, Socket, Microservices, Swagger Documentation, Git, I18N, CQRS, Event-Driven Architecture

PROFESSIONAL EXPERIENCE

Backend Developer, Tech union grok

2025 – present | Malaysia

Tech union grok is a business partner company that developed multiple platforms in world.

- Developed mytraining app that allows to users watch learning courses about the mylorry and myfule dashboard onboarding. hanelled errors and messages with localization. Technologies: Nodejs, Typescript, Nestjs, Mysql, Typeorm, CQRS, I18N.
- Developed and refactor mylorry app that allows to cell gasoline in Malaysia. Technologies: Nodejs, Typescript, Nestjs, Redis, Mysql, CQRS.
- Improve Database queries and project structure and cache mechanism that resulted in a 20% speed increasing.
- Create Database view and statistic routes for admin and client dashboards with high performance of Database queries and Data Mappers.

Backend developer, Entekhab industrial group

2024 – 2025 | Isfahan, Iran

- Designed and implemented a scalable edge computing infrastructure for IoT systems using Golang, optimizing data processing and reducing latency by 30%.
- Designed and developed a centralized content management system (CMS) for digital signage using Node.js, enabling seamless content distribution and real-time updates across multiple displays. Built RESTful APIs and scalable backend services to manage media assets, user permissions, and scheduling.

Backend developer, Iranicard

2023 – 2024 | Isfahan, Iran

- Developed a notification app with Nodejs. it has 4 microservices as notification providers for sending notification to users in Telegram, Email, SMS .
- Oversaw a team of 10 developers, working on a high-traffic web application handling over 100,000 users.
- Implemented a new Go-based microservice, increasing system efficiency by 20% and decreasing latency.
- Implemented TOTP in Wallet project as two factor authentication with Nodejs.
- Joined as developer in refactoring architecture and providing effective advice on changing project architecture.

Team lead, Medicalstus

2022 – 2023

- Remote Team Lead at MedicalStus: Led a team of 4 developers to build and deploy backend and frontend systems. Responsibilities included:
- Database Architecture: Designed the complete database architecture to support scalable application growth.
- AI-Driven Content Categorization: Developed an AI service to categorize posts with tags and implement a scoring system for personalized feed display.

Backend developer developer, Sisoog

2020 – 2023 | Isfahan, Iran

- Developed a comprehensive search engine that name is ISSE with 4 microservices utilizing PostgreSQL, Elasticsearch, and Redis. Managed end-to-end development, including:
- Web Scraping and Image Processing: Built a site scraper in Python using Scrapy and a service in Express.js for downloading, storing, and resizing images.
- Data Synchronization and Product Services: Implemented data sync and product management services using NestJS, REST APIs, and documented them with Swagger.
- User Engagement via Telegram: Created a Telegram bot using FastAPI and python-telegram-bot for user reports and feedback.
- Led DevOps and server management for the project, which currently handles over 5,000 searches per day and includes a donation system.

Backend developer, Radshid

2019 – 2020 | Isfahan, Iran

- Developed a PyQt application with TCP socket communication for monitoring hardware programming statuses, allowing electronic engineers to program up to 10 devices simultaneously.
- Built a network middleware in Python using socket programming for internet logging and proxy functionality, used by the IT department to monitor and track network activity.
- Created a smart door access system using Raspberry Pi, Python, and OpenCV for an Iranian company, integrating image processing to manage employee entry and exit tracking.

PROJECTS

Realstate AI control panel

2025 – 2025

Real state is an AI based platform to call agents with AI bots for marketing in Russia. AI control panel created for checking and importing phone numbers state and status. some feature that created is: send email after each call for call result, import and export from excel file, set call settings and bot settings, send daily report mail to admin in excel file, timezone management.

- Technologies: Typescript, React, Nestjs, Postgres, Docker, Nginx, Monio, Redis, Typeorm.

Hedge found

2025 – present

Hedge found is trading broker that allows users to trade in a simulated space and earn mony in Tether with solving challenges and plans.

- technologies: Nodejs, Typescript, Nestjs, Postgresql, Redis, EventDrivenDesign, Financial technology, Digital Currencies.

Lognegar, lognegar.ir

2024 – 2025

Lognegar is a project that store all your server logs, metrics and traces. it use opentelemetry for getting server data. you can create applications and ApiKeys for each your applications. you can create custom dashboards for your charts, plots and tables. its created with 4 Microservices and Nats message broker.

- Technologies: Golang, Typescript, Nodejs, Nestjs, Postgres, Clickhouse, Redis, Nats, Prisma, Gorm, Fiber

Clipboard manager

2024

Clipboard manager is a project that store all your clipboard data and store it for 24 hours, users can see and manage themself clipboard data.

- Technologies: Golang, Gorm, Sqlite, Websocket

Paperless

2021

Paperless is a CMS system for sending internal organization mail and send SMS to people for information about his letters.

- Technologies: Typescript, Node.js, Nest.js, Prisma, Postgresql, Vue.js

EDUCATION

Kashan University,

Bachelor degree of Software Engineering

2018 – 2020 | Isfahan, Iran

LANGUAGES

English — Proficient