

Sina Zarei

Backend Engineer

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Mashhad, Iran

Professional Summary

Backend Engineer focused on Go, Python automation, Telegram systems, and developer tooling. Builds backend services, concurrent processing pipelines, reusable libraries, and Linux-oriented utilities from architecture and data flows through implementation and deployment. Experienced with HTTP APIs, asynchronous workflows, scraping and browser automation, Docker, Redis, CI/CD, and relational and document databases. Strongest at turning complex or repetitive workflows into clear, maintainable software.

Experience

Mirmohana

Backend & Automation Developer

Jun 2022 – Sep 2023

Remote collaboration

- Built Telegram commerce, advertising, uploader, and utility bots, along with web services and interfaces using Python, Go, JavaScript, and PHP.

- Implemented asynchronous workflows, scraping and browser automation, API services, and database-backed features using FastAPI, Flask, Pyrogram/Telethon, SQLAlchemy, and related tools.

Qyuro Team

Technical Lead & Backend Engineer

Sep 2023 – Sep 2024

Independent project team

- Led technical direction for a small team building marketing automation and data collection tools with Python and Go.

- Designed task flows, scraping pipelines, Telegram bots, Go API services, and Python workers; reviewed implementations and coordinated technical execution.

Namira and related projects

Backend & Infrastructure Contributor

2025 – 2026

Open-source and private collaborations

- Contributed to Go processing systems for parsing, validating, and processing network configurations using concurrent workers, Redis, Docker, and CI/CD.

- Worked on service design, deployment workflows, Linux operations, and automated result delivery while keeping private project details confidential.

Independent Projects

Backend Engineer & Systems Builder

2024 – Present

Remote

- Designed and built reusable Go libraries, backend reference projects, Linux networking utilities, and automation tools.

- Maintain public work spanning Telegram state management, Go utilities, containerized APIs, and Linux systems tooling.

Selected Projects

Telegram State Manager | Go, Generics, Redis, Concurrency

github.com/sudosz/tg-state-manager

A type-safe, framework-agnostic state management library for Telegram bots with generic state transitions, in-memory and Redis-backed storage, reusable state flows, and concurrency-safe handling.

Fruits API | Go, Gin, PostgreSQL, Docker, Kubernetes, Helm, GitHub Actions

github.com/sudosz/fruits-api

A production-minded reference REST API demonstrating layered architecture, interface boundaries, versioned migrations, unit and integration tests, Swagger documentation, container hardening, Kubernetes manifests, Helm configuration, and CI/CD automation.

Namira Core | Go, Redis, Docker, Worker Pools

github.com/NamiraNet/namira-core

Contributor to a Go-based processing engine for parsing, validating, and ranking network configurations through concurrent worker pools, Redis-backed processing, API/CLI interfaces, and automated result delivery.

Go Utilities | Go, Packages, Abstractions

github.com/sudosz/go-utils

A collection of reusable Go building blocks created to reduce boilerplate across backend services and systems-oriented utilities.

Neghab | Go, Linux, Networking, Systems Programming

github.com/sudosz/neghab

An experimental Linux networking utility for controlled traffic generation and system-level observation, exploring /proc/net/dev, traffic measurement, process execution, and Linux-oriented automation.

Technical Skills

Languages

Go, Python, JavaScript, PHP, Bash, Rust (project-level)

Automation

Telegram Bot APIs, Pyrogram/Kurigram, Telethon, gotd, Scrapy, Playwright, Selenium, asyncio, aiohttp

Infrastructure

Linux, Docker, Git, GitHub Actions, CI/CD, Railway, Vercel, Kubernetes, Helm, Swagger/OpenAPI

Backend

Gin, Fiber, net/http, fasthttp, FastAPI, Flask, REST APIs, gRPC

Data

PostgreSQL, MySQL, MongoDB, SQLite, Redis, SQLAlchemy, GORM

Web & Frontend

HTML, CSS, Vanilla JavaScript, React, Vite, PHP

Education

High School Diploma Mobin Sample State School

Mashhad, Iran | 2023 – 2026 | Diploma GPA: 18.54/20

Academic distinction: Participated in mathematics and computer science olympiad competitions; qualified for the first round of the Computer Olympiad.

Languages

Persian: Native English: Working proficiency for technical documentation, written communication, and meetings.

Additional Information

Open source: Public Go libraries, backend references, and systems-oriented utilities available at github.com/sudosz.