

# Ali Pooralijan

## Full-Stack Web & Rust Developer

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I build products end-to-end, with the center of gravity on backend systems in Python and Rust. FastAPI and Actix Web day to day, TanStack Start, and Next.js when the product needs a UI. The part I care about most is PyO3: Rust behind a Python API. That is how cachebox started, a library I still maintain at 13M+ PyPI downloads a month and 400+ GitHub stars. 3 years on contract shipping production APIs, relational schemas, S3 pipelines, and complete web apps.

### SKILLS

**Languages:** Python, Rust, TypeScript, SQL

**Frameworks:** FastAPI, Actix Web, Axum, Tanstack Start, Next.js, React

**Developer Tools:** Git, Docker, Nginx, Github Actions, Orval, S3

**Databases:** PostgreSQL, Redis, Dragonfly, MongoDB

**Libraries:** PyO3, Tokio, html5ever, SQLAlchemy

### EXPERIENCE

#### Backend Developer · Private Company (NDA)

Iran, Remote, Contract | Aug 2023 - Present

- Design and ship production REST APIs in FastAPI used by commercial products.
- Model and evolve complex relational schemas so they stay maintainable as requirements grow.
- Build S3 / object-storage pipelines and work across multiple product codebases in the same group

#### Full-Stack Engineer · Freelance

Remote | Aug 2025 - Present

- Deliver independent freelance products: FastAPI and Actix Web backends plus working web UIs.
- Ship interfaces with TanStack Start or Next.js when the product needs more than an API.
- Take selected builds from idea to a usable web app: API, data model, and frontend

#### Open Source Developer · Self-employed

Aug 2023 - Present

- Author and maintain Rust-backed Python libraries on PyPI using PyO3 and Maturin.
- Also maintain markupever (HTML/XML parser, 35+ stars, 360K+ downloads) and rapidquery (SQL query builder on SeaQuery)

### PROJECTS

#### HeroAI · Unified AI Gateway API

Dec 2024 - Present

Python, FastAPI, SQLAlchemy, PostgreSQL, Redis, Docker, S3

<https://api.heroai.ir/docs>

- Built the HeroAI backend in FastAPI and SQLAlchemy: a production AI gateway over 170+ models (OpenAI, Gemini, Claude, DeepSeek, xAI).
- Shipped OpenAI- and Gemini-compatible REST APIs so existing SDKs and apps integrate with little or no code changes.
- Implemented API key management, reseller APIs, org/team admin, enterprise data policies, and credit-based billing.
- Supported 20K+ users and 1M+ monthly API requests; used by WordPress plugins and third-party integrations.

#### cachebox · High-performance Python cache (Rust / PyO3)

2024 - Present

Python, FastAPI, SQLAlchemy, PostgreSQL, Redis, Docker, S3

<https://github.com/awolverp/cachebox>

- Designed and maintain cachebox, a thread-safe in-memory cache and memoization library for Python, implemented in Rust with PyO3.
- Reached 400+ GitHub stars and 13M+ PyPI downloads per month; ship CPython and PyPy wheels through Maturin and GitHub Actions.
- Implemented FIFO, LRU, TTL, and other eviction policies with a low memory footprint; public benchmarks show 10-50x vs common Python caches.

### EDUCATION

#### Computer Engineering

Sep 2023 - 2028

Engineer's Degree

Payame Noor University