Said Muradkhan

Backend Developer · Python, Django, FastAPI

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SUMMARY

Backend developer working with Python. I build REST APIs with Django REST Framework and FastAPI, PostgreSQL databases, async data pipelines and well-tested code with pytest and CI on GitHub Actions. My job tracker jobtrack has 133 backend tests and calls my own FastAPI and Go services, and az-job-radar is an async scraper and analytics API with 98% test coverage. At Leops I work on production backends in Laravel and MySQL: queued jobs, external API integrations and schema design. Computer Science student at Khazar University. English B2.

SKILLS

Languages	Python, PHP, Go, JavaScript (ES6+), TypeScript, SQL
Python	Django, Django REST Framework, FastAPI, asyncio, httpx, SQLAlchemy, Alembic, BeautifulSoup, pytest, Ruff
Backend	REST API design, JWT authentication, webhooks, background jobs and schedulers, caching, Laravel, Node.js / Express
Databases	PostgreSQL, MySQL, schema design, migrations, indexing and slow-query optimization
Testing	pytest, pytest-django, offline fixtures, coverage gates in CI, PHPUnit, Vitest
CI/CD and tools	Git, GitHub Actions, GitLab CI/CD, Docker, Vercel, Neon Postgres, server deployment

EXPERIENCE

Full Stack Developer · Leops

Jan 2026 – Present · Baku, Azerbaijan

Spec-Taxi, internal fleet management system (db.spec.taxi) Jun 2026 – Present

Laravel 8, PHP, MySQL, queued jobs, Artisan scheduler, PHPUnit, GitLab CI/CD

Platform for ride-hailing and courier fleet operations: drivers, cars, contracts, payments, inventory and reports. A full Laravel codebase with 130+ Eloquent models. I am one of its main contributors, with 670+ commits.

- Wrote integrations with external services as queued jobs and scheduled Artisan commands (23 commands, 18 jobs): fleet, driver and car sync from the Bolt API, harsh-driving events from Wialon GPS, traffic fines and vehicle inspection status.
- Added progress tracking for queued Artisan operations across processes, and made the sync jobs safe against queue retries, overlapping runs and provider downtime.
- Designed the schema for new features: 115 migrations and 37 Eloquent models, plus composite MySQL indexes for the driver list and statistics queries.
- Wrote PHPUnit feature tests (58 tests) for contract closing rules, queue job behaviour, driver-exit detection and fleet statistics.
- Built the inventory, sales and cash-register modules, including stock reservation and reconciliation of the cash register against bank statements.

Assetra, asset and inventory management product (team project, in progress) Jul 2026 – Present

Laravel 13, React 19, AWS S3

- Designed and documented the first version of its REST API in Laravel, added image storage on AWS S3 and moved translations into the database.

Driver behaviour analysis platform (internal geospatial tool) Jan – May 2026

- Added NestJS modules with Prisma (drivers, geofences, email) to the back end, and was the main contributor to its React and TypeScript front end (Redux Toolkit, Leaflet).

Leops corporate website (leops.az) Jan 2026 – Present

- Built and deployed the company website end to end (Laravel) and maintain it in production. Across projects I also handle server deployments, environment configuration and production troubleshooting.

PROJECTS (PERSONAL, BUILT SOLO)

jobtrack · Job application tracker Sep – Oct 2026

Full-stack tracker for job applications: browse vacancies from 10 job sites, save them and move each application from "applied" to "offer" on a list or a drag-and-drop board.

- REST API with Django REST Framework: JWT authentication with refresh tokens, per-user data isolation, filtering, search and ordering.
- Calls my two other services server-side: vacancies from az-job-radar and official exchange rates from cbar-rates, cached for an hour.
- Email-driven status updates: each user gets a private forwarding address, and a webhook receives the emails through Cloudflare Email Routing, classifies them with rules in English, Azerbaijani and Russian and moves the matching application forward.
- Unclear emails wait for the user's confirmation, and only the subject, sender and a short excerpt are stored, never the full email.
- 133 backend tests (pytest-django) and 37 frontend tests (Vitest) run in GitHub Actions. PostgreSQL on Neon with automated migrations.

Python, Django, Django REST Framework, JWT, PostgreSQL, React (Vite), pytest, Vitest, GitHub Actions, Vercel · github.com/saidmuradkhan/jobtrack · jobs.saidmuradkhan.dev

az-job-radar · Job vacancy scraper and analytics API Oct 2026

Async scraper and data pipeline that collects vacancies from 10 Azerbaijani job sites every 3 hours, analyses each ad and serves the results through a FastAPI REST API and a dashboard.

- Scrapers read all ten sites concurrently with asyncio and httpx, respecting robots.txt and a limit of 1 request per second per site.
- The pipeline cleans titles, strips emails and phone numbers from the stored text and extracts category, skills, languages, experience, seniority and work mode from each ad.
- The same ad posted on several sites is grouped by normalised company names and title similarity. One scheduled run read 926 vacancies and found 268 cross-site duplicates.
- The scraper and the API never share a process: a scheduled GitHub Actions job writes to PostgreSQL (SQLAlchemy, Alembic migrations), and the FastAPI app only reads and caches results for 5 minutes.
- Every run is logged in its own table, so a site that changed its layout shows up as a warning.
- Tests run offline against saved pages: 98% coverage, with a CI gate at 85%. Linted with Ruff.

Python, asyncio, httpx, BeautifulSoup, FastAPI, SQLAlchemy, Alembic, PostgreSQL, pytest, Ruff, GitHub Actions · github.com/saidmuradkhan/az-job-radar · radar.saidmuradkhan.dev

cbar-rates · Exchange rate microservice in Go Sep – Oct 2026

Fetches the official daily exchange rates of the Central Bank of Azerbaijan, parses the XML feed and serves it as a JSON REST API with a converter page and a 30-day history chart.

- In-memory cache with TTL, stale-on-error serving and request de-duplication, plus automatic fallback to a second rate provider when CBAR is unreachable.
- Rate limiting, graceful shutdown, structured logging, and tests with at least 80% coverage enforced in CI.

Go (net/http, encoding/xml, log/slog), Docker, GitHub Actions · github.com/saidmuradkhan/cbar-rates · rates.saidmuradkhan.dev

Other projects

- PassIn: offline password manager for Windows in C# and C++ (AES-256-GCM through Windows CNG), with an installer and a CI/release pipeline.
- React front ends: an event ticketing platform with real card payments through the Payriff API, the Zenvolt e-commerce store, a car import and shipping site, the Amber Lounge cocktail app and my portfolio website.

EDUCATION AND LANGUAGES

Khazar University · Bachelor's degree, Computer Science Sep 2024 – Jun 2028 (expected)

Defence Industry Research & Innovation Center (MSTİM) · Bachelor of Engineering Sep 2026 – Present

Mechatronics, Robotics, Automation & AI. Engineer Training & Defence Industry Ecosystem Development Program.

Div Academy · Full Stack Web Development programme (current grade 98/100) Nov 2025 – Present

Languages: Azerbaijani (native), Turkish (C1–C2), English (B2), Russian (A2)