

Arman Mazlounzadeh

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Summary

Python Backend Engineer with 6+ years building secure, scalable APIs and data services in production (Django, PostgreSQL, MongoDB, Redis). Strong focus on API standardization (OpenAPI/Swagger), OAuth and OAuth2 integrations, CI/CD, and reliable releases. Comfort across cloud infrastructure (AWS/GCP), containers, observability, and performance tuning. Hands-on with event queues and search. Open to relocation to the UAE.

Skills

Backend: Python, Django, Celery, RabbitMQ, Redis, REST, GraphQL, OAuth/OAuth2, Gunicorn

Frontend: TypeScript, React

Databases: PostgreSQL, MySQL, MongoDB, Elasticsearch

Cloud/DevOps: Docker, Kubernetes, NGINX, AWS, GCP, Linux, GitLab CI, IaC (Terraform, Ansible)

Quality/Observability: Pytest, Cypress, Sentry, Grafana, OpenAPI/Swagger

Practices: API design & standardization, performance tuning, CI/CD pipelines, documentation, secure-by-default

Experience

Senior Software Engineer – Shopify Apps

Dec 2024 – Present

Partnerz – Remote (UAE)

- Delivered Fixed Bundle and Mystery Box end to end; reached ~10% adoption and added ~\$1,000 MRR/mo.
- Cut Pytest runtime 8 → 6 minutes via CI/CD optimization; reduced CI minutes/PR by ~20% and saved ~8 hours of engineer wait time/month.
- Engineered pricing & onboarding pages; clarified plans and increased conversion by 10%.
- Implemented Fixed Bundle widget adaptations for Dawn, Debut, and other themes; improved UX and reduced support requests by ~45% in the month following launch.
- Standardized AI-assisted coding with Cursor to reduce editor/env drift and improve review consistency; increased feature delivery speed 3 ×.
- Designed complex SQL queries in Metabase to enable data-driven decisions.
- **Stack:** Python, Django, TypeScript, React, PostgreSQL, Redis, RabbitMQ, Pub/Sub, Celery, REST, GraphQL, Docker, Kubernetes, GCP, GitLab CI, Pytest, Cypress, Sentry, Grafana, OAuth2, Shopify APIs.

Technical Team Lead

Apr 2023 – Nov 2024

Payvand Capital Management – Remote (Canada)

- Led 8 engineers on property valuation and tokenization platforms; owned microservices architecture and review cadence.
- Implemented OAuth2 integration with Divar; reliably handled 30+ req/min with p95 <3s for price evaluations.
- Established CI/CD with containerized auto-deploys and rollbacks; enabled daily releases and faster recovery.
- Served as an active backend MR reviewer, averaging 5+ reviews/week; enforced checklist-based standards to keep cycle time low.
- Delivered Exam, Quiz, and Course APIs; increased user engagement by >35% within three months.
- Integrated OpenAI APIs to automatically evaluate Exam responses; users received results in <5s.
- Designed Elasticsearch end-to-end test infrastructure; reduced indexing/query errors by ~30%.
- Implemented Elasticsearch indices/analyzers; improved relevance and cut p95 search latency by 2 ×.
- Revised website page indexing; increased indexed pages by 10 × and improved organic visibility.
- Reduced deploy time 15 → 8 minutes by parallelizing builds and introducing infrastructure-as-code practices.
- Automated Let's Encrypt for staging; removed manual renewals and saved ~2 hours/quarter.
- Standardized API documentation with OpenAPI/Swagger; raised coverage to ~85% and reduced partner integration time.
- **Stack:** Python, Django, Celery, PostgreSQL, Redis, RabbitMQ, Elasticsearch, Microservices, Gunicorn, Docker, NGINX, GitLab CI, OpenAPI, Sentry, Grafana, Linux.

Senior Software Engineer

Sep 2021 – Mar 2023

Sangyab – Isfahan, Iran (Hybrid/Remote)

- Built visual search over 1M+ images with p95 <3s using DB-level embeddings.

- Managed race conditions with Redis locks; achieved multi-req/s while keeping the system reliable.
- Introduced staging/production CI/CD with safe rollbacks; shortened feedback loop by ~40%.
- Optimized SEO and web performance: page load 6 → 2s; Google impressions up ~150% in two weeks.
- **Stack:** Python, Django, PostgreSQL, Redis, Selenium, Gunicorn, Docker, NGINX, GitHub Actions, Linux.

Software Engineer

Mar 2020 – Aug 2021

Novin Pardazan Arax – Isfahan, Iran

- Designed a daily settlement system for a bespoke banking application using OAuth; handled ~1k transactions/day.
- Automated deployment of Django, React, and Next.js projects; reduced SDLC by ~30%.
- Introduced CI/CD and regression tests; reduced production bugs by ~25%.
- **Stack:** PHP, Python, Django, MySQL, PostgreSQL, Docker, NGINX, WordPress, Linux, GitHub Actions, OAuth.

Education

M.Sc., Computer Engineering (Software) – Sharif University of Technology

Feb 2025

GPA: 4.0/4.0. Thesis: *Pipeline Inference Optimization* – reduced compute cost by ~25% via GPU partitioning experiments and a runtime scheduler to select/apply the best configuration automatically. Tools: Kubernetes, Docker, Ansible.

B.Sc., Computer Engineering (Software) – University of Isfahan

2017–2021

Ranked 1st in faculty – GPA 3.98/4.0 (18.81/20).

Open Source & Volunteering

- Contributed fixes and improvements to open-source Python projects such as django-imagekit and milvus-io/bootcamp.
- Supported infrastructure delivery for the 2021 ISC Conference (Django, React, MongoDB; 2021).
- Built early web systems including a graduation workflow portal for master's students (WordPress, PHP; 2018).