

# Yaser Amiri

Role: Senior Backend Developer

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## Professional Summary:

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I am a self-motivated and goal-oriented backend developer with a keen interest in finance. I have been working as a backend developer for 7 years, with the last 4 years dedicated to the fintech industry. Python has been my primary programming language, and I am now exploring the JVM ecosystem, aiming to advance using Clojure or Kotlin.

Linkedin: [linkedin.com/in/yaser-amiri](https://linkedin.com/in/yaser-amiri)

Github: [github.com/Yaser-Amiri](https://github.com/Yaser-Amiri)

## Employment History:

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### Senior Backend Developer | Eveince | November 2020 – Present

Project: Quantitative trading system

- Developed financial accounting services that manage assets of funds, portfolios and investors using Python (FastAPI), Clojure, and TimescaleDB. (which tracks \$10M trades per \$100K AUM in a year)
- Developed backend of Eveince's investor dashboard using FastAPI, Django and DRF.
- Optimized analytical queries (PostgreSQL) to increase component's speed (up to 12x).
- Contributed to the setup of a self-managed Kubernetes, PostgreSQL, and RabbitMQ cluster using Helm, Terraform, Ansible, and Gitlab-CI.
- Studied finance and economy to understand the business and design the platform's flows and models.
- Participated in the design of our event-driven system.
- Designed and developed data pipelines and workflows using Airflow, Ansible, and Terraform to meet the needs of the data science team.

### Software Engineer (Part-Time) | Miras | January 2019 – March 2020 (1 yr 3 mos)

Project: Quantitative trading system

*Note: This company later reconstructed as Eveince, my current employer.*

- Designed and implemented multi-stage CI/CD pipelines with Gitlab-CI.
- Developed and maintained Ansible playbooks to automate operations using AWX.
- Built a comprehensive monitoring and alerting system using the TICK stack.

### Backend Developer | Karbar Mehvar | March 2018 – March 2020 (2 yrs 1 mo)

Project: A social media for local business reviews

- Designed and developed a monolithic social media website using Django and Django REST Framework.
- Migrated the admin panel from a template engine-based technology to a GraphQL-powered service.
- Contributed to DevOps tasks such as application containerization and CI/CD implementation.

### Backend Developer | Payam Pardaz | December 2016 – March 2018 (1 yr 4 mos)

Project: Unified threat management (UTM)

- Functioned as a liaison between the network engineering and software development teams, contributing to the development of microservices that controls and integrates various components of the UTM system, including firewall, traffic controller, DNS server, etc, using Django and Flask.
- Automated installation and configuration of the UTM using Ansible which improved reliability.
- Implemented a log collector in Python and AsyncIO (UDP server) to collect, parse, aggregate, and save UTM's logs in MongoDB and InfluxDB.
- Built a web service using Python, Django REST Framework to query logs and generate reports.

## Technical Skills:

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- Python and its ecosystem (Django, DRF, AsyncIO, FastAPI, Airflow, Mypy, etc)
- Familiar with and interested about Clojure
- Ability to understand and use different tools like PostgreSQL, Redis, Docker, Ansible, Terraform, Nginx, RabbitMQ, Gitlab-CI, NoSQL databases, etc.
- Software development methodologies such as Scrum and Kanban.

## Latest Personal Projects:

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- A temporal special-purpose database that provides Serializable isolation level to clients and can store trades and portfolio data, uses a HTTP as wire protocol, can support multiple storage engines. This project has been written with Clojure and runs on JVM.
- A crawler and scraper that gathers data of Tehran's Stock Exchange including company statistics like P/E , market prices, fund's portfolios, etc. Metabase has been used for data visualization.

## References:

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- Mr. Arjmandi – CEO of Eveince - [mohsen.arjmandi@gmail.com](mailto:mohsen.arjmandi@gmail.com)
- Mr. Momenzadei – Colleague at Eveince - [omid.mnzadeh@gmail.com](mailto:omid.mnzadeh@gmail.com)