

# Arman Ordookhani

Software developer in Berlin with 9+ years experience architecting and implementing medium to large scale systems. Skilled in Python, Go, Java, and JavaScript creating back-end APIs. Deployed apps using AWS and Docker swarm. Managed small agile teams creating products with high velocity while keeping maintenance cost low with TDD and good architecture decisions. I'm a keen problem solver. You could find me at:

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## EDUCATION AND HONORS

### **Sharif University Of Technology** - BSc, Software Engineering

 2010 - 2014

GPA 17.24 out of 20


Most prestigious engineering university in the country.

### **National Entrance Exam for BSc** - Maths and Physics

 June 2010

Ranked 91st among about 400K participants

### **Iranian National Olympiad** - Informatics

 July 2008 - April 2009

Awarded silver medal among more than 1000 contestants in Iranian National Olympiad in Informatics.

### **Allame Helli 1 High School** - Maths and Physics Diploma

 2006 - 2010

Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

# EXPERIENCES

## [FinCompare](#)

Backend engineer and Squad lead

📅 Apr 2019 - Now

A platform to connect small/medium businesses to financial institutions. It helps companies to have a much faster and better experience compared to going to traditional banks.

- Started and took ownership of **Matcher**, a core service in **Go**.
  - Created guideline of best practices to help the team.
  - Assisted with moving our infrastructure to a **Docker swarm** cluster on **AWS** and improving **CI/CD pipelines**.
  - Worked closely with product owners for discovery and delivery. Have regular communication with team members, including one-on-ones.
  - Awarded 3 times in monthly company wide meetings.
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## **Noavaran Sharif**

Tech Lead

📅 Jul 2014 - Apr 2019

- Maintaining and addressing **technical debt** of handed projects. Added tons of **tests**, monitoring system (using **stastd**, **Graphite**, and **Grafana**), and error aggregator to legacy projects. Upgraded code bases to **Python3**.
- Spearheaded different teams to create user-focused high quality product.
- Architect systems and APIs from the ground up when needed.
- Added **CI/CD infrastructure** for projects using **Gitlab CI**, [fabfile](#) and **bash** scripts. Later picked by our new infra team that automated things more using **Docker**, **Jenkins**, and **Kubernetes**.
- Guided junior team members and helped them improve in their desired aspect with regular evaluations.

Some of projects and technologies I worked with in Noavaran:

## [Dahsaniye](#)

- Live mobile game. Handled up to 25 thousand concurrent users in first version
- Using **Python** as game engine and **Go** as a socket and message broker. Deployed using **Docker** on multiple nodes. Had a **Python asyncio** broker before. Client implemented using **Flutter** and **Dart** for both Android and iOS. API protocol **protobuf** on **websocket**.
- Low latency audio streaming solution made in house based on opus codec.

## **AgileSMS**

- Subscription based charging of millions of users on their phone bill (cooperating with MCI.ir the largest mobile operator in the country)
- Receiving and sending more than 10 million SMS per day.
- **HLS** video-on-demand infrastructure to stream video.
- Simple campaign analytic tools.
- **Python**, **Django**, **Celery** back-end. Consuming and providing many **SOAP** and **REST** services to third parties. A highly tuned multi hundred gigabyte **MySQL** DB.

## [College \(Google play\)](#)

- A virtual English class mobile application with different type of learning material and interactive exercises.
  - API developed using **Python** and **Django**. **Redis** as a cache and in memory store. Has a comprehensive admin panel with Django admin and **Vue.js**.
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### **Avaryad**

Co-Founder

📅 Nov 2012 - Dec 2013

Application to help high school students to learn and memorize lessons, mostly using flash cards. Card packs created by experienced teachers and sold with in-app purchase.

**Python** and **Django** backend. Rendering system used **QT Webkit** engine. **PostgreSQL** DB.

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### **SahebNazar**

Web Developer

📅 Sep 2013 - Nov 2013

SahebNazar was a platform to create a survey and show it to appropriate persons to fill it. It uses gamification, gifts, score system, etc. to attract users.

I work mostly on front-end creating a flexible component based survey system with **JavaScript** and **jQuery**. It had a **Python** based back-end.

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## [Talanegar](#)

Web Developer

📅 Jul 2012 - Jan 2013

Talanegar is a freemium web application providing analysis tools for Future Coin Exchange Market. Providing information about the market, prices, buy/sell signals, learning materials, and a social Twitter-like part. The website grew quickly and reached 1000+ premium users within months. Later on, sold to a company and shut down by them.

We used **Python** and **Django** and some **jQuery** for dynamic parts. It also had a machine learning part implemented with **MATLAB**.

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### **Novin Ide Pardaz Adena**

Web Developer

📅 Sep 2011 - May 2012

I work on different projects in Adena. Notably a Human Resource Manager webapp used by PetroPars (an oil/gas company) internally and a webapp to connect house agencies to people.

We used **Python** and **Django** (server side rendering).

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### **Javan Rayane**

Web Developer

📅 Jun 2010 - Oct 2010

Using **PHP** and **MySQL** to design an online cell phone shop. My main job was designing pages and automatic crawling and translating gsmarena.com data.

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