

## Summary

I started programming at an early age. This provided me with the opportunity to experience some influential platforms/technologies, like *Commodore 64* or *Sinclair Spectrum* and rather modern ones like *VB6* or *Turbo C++*. I've been using *C#* and *.NET* since their early days, and soon found myself being passionate about *Object-Oriented Programming* and began exploring books and articles (mostly on *The Code Project* then) on design patterns, application architecture, clean coding and experimenting ideas and self-thoughts.

In the late 2000's, relational databases attracted my attention more than before. Since then, I occasionally read on database design and other concepts on the topic and try to make a point of following standards on my

projects. I also have hands on experience on leveraging *NoSQL* or *key/value pair* databases.

Out of workplace, I actively provide consult to governmental or personal software projects. In my spare time, I'm curious learner and a developer who is passionate about *C#/TypeScript* and occasionally contributes to open-source projects. My last but not least interest is creating technical content based on day-to-day experiences, which I currently follow through sharing on my personal weblog at [Github](#) and [DEV](#).

Currently, I'm a senior software engineer at *Cafebazaar*, the *largest* Iranian Android app store<sup>1</sup> and one of the top third-party app markets world-wide<sup>2</sup>, developing high-load web services in *Go* and *Python*.

## Experience

### RayanShop

MASHHAD, IRAN

*RayanShop* was a pioneer online-shopping startup in Iran, long before current well-known rivals like *Digikala*.

### Full-Stack Developer

2002 – 2004

Developing back-end (*Classic ASP*) and front-end (vanilla *JavaScript*).

### Ferdowsi University of Mashhad (FUM)

MASHHAD, IRAN

### Architect & Full-Stack Developer

March '11 – Sep '11

Designing and implementing the *National Bilateral Energy Market* web application using *ASP .NET* and *SQL Server*, as B.Sc. graduation project.

### Mashhad Urban Railway Operation company (MUROC)

MASHHAD, IRAN

### Architect & Developer

Mar '15 – Mar '17

The project was to implement an integrated electro-mechanical simulation system to be used in further energy optimization studies. The platform was successfully realized, currently known as *SITRAX*.

### Khorasan Regional Electric Company (KREC)

MASHHAD, IRAN

KREC is a governmental company that manages and maintains regional power transmission grid.

### Researcher

Nov '14 – Sep '15

Research on *REF* protection schemes in transmission grid.

### Researcher & Full-Stack Developer (Military Service for Elites)

June '15 – Aug '17

The research topic was to find the optimal solution for power transformer overloading dilemma. The implementation phase, was to develop a software platform that delivers research results as automated routines and user-friendly interfaces.

### IT Consultant

June '19 – Dec '19

The project is an enterprise solution that covers several aspects of *Preventive Maintenance (PM)* routine, done on high-voltage substations, to remove paperworks and ultimately automate the current workflow. The project consists of mobile user interfaces, core function as back-end and relational databases.

### Part Software Group

MASHHAD, IRAN

*Part* is a *Fintech* company, developing financial solutions in stock market related and banking fields. The company also aims to provide basic infrastructure services as a rich service cloud.

### Back-End Developer

Sep '18 – Dec '18

Senior back-end developer at *Public Services* team, with *nodejs* as platform. The services include (but not limited to): authentication/authorization, access control, user profile, messaging, and file storage.

### Lead Back-End Developer

Dec '18 – Aug '19

At the *Public Services* development team.

<sup>1</sup>Cafebazaar on Wikipedia

<sup>2</sup>Third-party Android app markets on Wikipedia

## Lead Back-End Developer

Aug '19 – Oct '19

At .NET development team, developing *Legal Tech* business web services.

## Cafebazaar

MASHHAD, IRAN

*Cafebazaar* is the *first* and *largest* Iranian Android app market<sup>1</sup> with 50M users<sup>3</sup>, and one of the top third-party Android app markets world-wide.<sup>2</sup>

## Senior Back-End Developer

Jan '20 – present

At the *App-Delivery* team, the mission is to provide users with the latest versions of applications while keeping device compatibility as a constraint. High-load services, written in *Go* and *Python*, serve users with up to 2K requests per second.

## Coding Interviewer

July '20 – present

As a member of the *Software Engineering Interview* team, I participate in review/interview process aimed at evaluation of applicants' coding skills. This involves evaluating various aspects from basics to more advanced topics including OOP design, *Clean Code/Architecture*, and *SOLID* principles.

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## OSS Contributions

Microsoft VS Code ([microsoft/vscode](https://code.visualstudio.com/))

### Contributed

Versions 1.36.0 and 1.50.0.

### Others

VS Code Github issue notebooks, Oh My Zsh, Docker library docs, Helm charts, etc.

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## Education

Ferdowsi University of Mashhad (FUM)

MASHHAD, IRAN

### M.Sc. in Electric Power Engineering

2011 – 2014

Focused on high voltage power transformer protection schemes.

FUM

MASHHAD, IRAN

### B.Sc. in Electric Power Engineering

2007 – 2011

Implemented *National Bilateral Energy Market* web application using ASP .NET and SQL Server, as graduation project.

Malek-e-Ashtar College-preparatory School

MASHHAD, IRAN

### College-preparatory Diploma in Mathematics & Physics Science

2006 – 2007

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## Honors & Awards

Ranked 1<sup>st</sup> among fellow students (B.Sc., GPA: 18.98/20.)

2011

Ranked 1<sup>st</sup> among fellow students (M.Sc., GPA: 19.17/20.)

2014

Served military service as academic elite.

2015–2017

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## Skills

Software design, concepts & protocols

Object oriented programming, design patterns, SOLID principles, loose/tight coupling concerns, dependency injection, inversion of control, unit/integration tests, databases, web services, SOA, REST, microservices.

Software implementation & tools

### Languages

C#, TS/JS, Python, Go; Familiar with C/C++ and Java

### Unit testing frameworks/tools

NUnit, MSTest, Moq, mocha, jest, chai, sinon

### Front-end technologies/tools

HTML, CSS, jQuery, Aurelia, Vue.js

### Back-end technologies/tools

nodejs, ASP .NET MVC/Web API, ASP .NET Core, express.js, django

### Communication methods and tools

gRPC, Protobuf, REST

### Databases

SQL Server, Postgres, MongoDB, Redis

### Big Data Solutions

Spark, PySpark, Hadoop

### Messaging technologies

RabbitMQ, Kafka

### Metering and monitoring

Prometheus, Grafana

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<sup>3</sup>As of December 2021

Source control and interfaces	<i>GIT, GitLab, GitHub</i>
Linux shells and tools	<i>bash, zsh, oh-my-zsh</i>
Orchestration/Containerization and tools	<i>Kubernetes, docker, helm</i>
IDEs, editors and development tools	<i>Visual Studio, VS Code, Postman</i>
Miscellaneous	<i>L<sup>A</sup>T<sub>E</sub>X, RegEx, MATLAB</i>
Natural languages	Persian ( <i>native</i> ), English ( <i>full professional proficiency</i> ), Arabic ( <i>limited</i> )

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## Interests

**Non-exhaustive and in alphabetical order:** Art, books, graphics, mathematics, music, open source projects, painting, problem solving, riddles, software engineering, studying, teaching, video games, writing.