

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 store¹ and one of the top third-party app markets world-wide², 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.

¹Cafebazaar on Wikipedia

²Third-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 market¹ with 50M users³, and one of the top third-party Android app markets world-wide.²

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 – Dec '21

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.

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.

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

Honors & Awards

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

2011

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

2014

Served military service as academic elite.

2015–2017

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

³As 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^AT_EX, RegEx, MATLAB</i>
Natural languages	Persian (<i>native</i>), English (<i>full professional proficiency</i>), Arabic (<i>limited</i>)

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.