

# Ali Soltaninejad

## Backend Developer/Data Scientist

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[alisoltani.ir](https://alisoltani.ir)

### Work experience

Software Engineer - Backend 2022-08 - Now

SatPlat - [satplat.com](https://satplat.com)

Technologies : Django, git, Docker, PostgreSQL, REST APIs

Freelance 2021-02 - 2022-07

( Compulsory Military Service )

- As I've been passing my compulsory military service, I worked on multiple freelance projects.

Software Engineer - Backend Developer 2020-01 - 2021-01

Romand.ir

- Chatbot Web Application Backend Technical Lead ( <https://romand.ir> )

- Managed and Instructed multiple interns

- Technologies : Django - Channels (Websockets) - git - REST APIs

Software Engineer 2020-01 - 2021-01

Asr Gooyesh Pardaz - Tehran, Iran

- Linux Server Administration and Management

Data Analyst 2017-07 - 2019-09

Shiraz University

Deep Learning, Sentiment Classification

BI SQL Developer 2017-07 - 2018-01

Shiraz University

Business Intelligence Project

### Education

MSc. 2016 - 2019

Shiraz University

Computer Software Engineering

B.Eng 2012 - 2016

Hamadan University of Technology

Computer Hardware Engineering

### Other Skills

Deep Learning



- worked with multiple models
- Currently working on RNN and CNNs with attention layers.

Linux Administration and Maintenance



### Programming Skills

Python - Django



- Experienced Django Developer
- Design and Implement REST APIs
- Database Design
- Familiar with AI and data science tech; Keras-Pandas- etc.

C/C++



Multi-threaded Programming  
Cryptography  
OpenMP/MPI  
Meta-heuristic algorithms

SQL and Data Extraction



Business Intelligence SQL  
Development Experience (6 mo.)

C#



Game Scripting in Unity  
Windows app development

Java



Android Development  
Core Java Development

### Technologies

- Django
- Nginx, gunicorn
- REST APIs and websockets
- Unity
- Apache Spark, Zeppelin, NiFi
- Git
- Keras
- PyQT

## Unity 2D Game Development



C# Scripting

Finished multiple courses on game development using Unity.

## Cryptography



I have implemented multiple programs to break one-time padding and vigenere cipher using C (they had some constraints to make them breakable)

## Android Development (Java)



## Html/CSS



<http://alisoltani.ir>

## Languages

### English



Fluent - Full Professional Proficiency

I've been studying English from my early childhood up until now and I have work experience in the Tourism Industry.

## Portfolio

- As for my MS project I've worked on Sentiment Analysis on Text Data from Social Networks. In this project, I've used Deep Learning to train a classifier. In these couple of years I've studied and worked with different BigData handling and processing systems like Apache Hadoop, Apache Spark, Apache Zeppelin and I have experience working as a Business Intelligence SQL developer for 6 months. I also Studied Text Mining, Neural Networks, Multithreaded and Multiprocessor application development, Advanced Algorithms and Software Architecture.

I've also implemented multiple Meta-heuristic algorithms in C++ for the OPHS Problem (available on my GitHub).

- In my Bachelor years I was much into Cryptography and I loved the mathematics and probabilities that we had to work with to encrypt/decrypt data. I passed a Cryptography course on Coursera.org taught by prof. Jonathan Katz, which was from the University of Maryland. I've also built a small AVR module that could be integrated into other devices to do stuff based on the temperature of that place. I also made two games as course projects, one was a simple game like tic-tac-toe using BGI in C, and the other one I made using Handles in C++ to deliver a multithreaded score, game and time system to the user.

- As for my BS project, I developed a chat application for android using Java. (available on my GitHub).

- I have also implemented two algorithms to break one-time padding and Vigenere cipher encryption algorithms with few constraints (available on my GitHub). In the case of one-time padding, the constraints where a must to make the breaking possible.

- I've also made a 2D Endless Runner game using Unity (available on my GitHub).