

# Ali Soltani Nezhad

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## Work Experience

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### Software Engineer - Backend

*Feb 2023 - Present*

*Stealth mode startup* , Vancouver, BC, Canada - Remote

- Backend and Linux services development on IoT devices and AWS using Python, Bash
- DevOps engineering using Serverless, Docker, Jenkins and AWS Services
- Designed and implemented service monitoring architecture using EC2, Prometheus and Grafana
- Designed and implemented an E2E Encrypted BLE GATT Server and API Services backend for IoT communication on Debian Linux using BlueZ
- Implemented passwordless auth workflow using Serverless, AWS Lambda and Cognito
- Deployed and built upon multiple open source projects such as BlueZ and MLOps platforms
- **Technologies:** Python, Bash, AWS, Prometheus, Jenkins, Serverless, Docker, BLE, Git

### Deep Learning using Python Course Instructor

*Jan 2023 - March 2023*

*Private Company* , Ahwaz, Khuzestan, Iran - On-site

- Instructed 20 People on Deep Learning using Python
- **Course Headlines:** Python, Deep Learning, Stock Analysis, Image Processing

### Software Engineer - Backend

*Jul 2022 - Feb 2023*

[SatPlat](#), Tehran, Iran - Hybrid — *Sharif University of Technology*

- Backend development using Python, Django
- **Technologies:** Python, Django, Postgres, Docker, Linux, Git

### Freelance Software Developer

*Jan 2021 - Jul 2022*

*Self Employed* , Shiraz, Fars, Iran - Remote

- Developed multiple backend projects using Python, Django.
- **Technologies:** Python, Django, Postgres, Websocket, Git

### Software Engineer - Backend

*Dec 2019 - Jan 2021*

[AsrGooyeshPardaz](#) , Tehran, Iran - On-site — *Sharif University of Technology*

- Implemented a Chat support system and CMS using Python, Django. [Romand](#)
- Tutored multiple interns on Python, Django, APIs and Websockets.
- Administration of multiple Linux servers.
- Refactored and maintained old java applications.
- **Technologies:** Python, Django, Websocket, Java, Postgres, Linux, Git

### BI SQL Developer

*Jan 2019 - Jul 2019*

*Shiraz University* , Shiraz, Iran - On-site

- Developed SQL for a BI application for Shiraz University.
- **Technologies:** SQL, Apache Zeppelin, Spark, Linux, Git

## Skills

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**Programming:** Python, Bash, Django, C++, C, C#

**Tools:** AWS, Prometheus, Jenkins, Serverless, Docker, Postgres, Linux, Git

**Soft Skills:** Communication, Team Collaboration

**Languages:** English (Fluent), Persian (Native)

## Education

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**Shiraz University**, Shiraz, Iran *Sep 2016 - Sep 2019*  
Master of Science in Computer Software Engineering *GPA: 3.1/4.0*

- Thesis: Human Emotion Analysis on Twitter Data Using Deep Learning - Grade: A+
- Skills: Python, Deep Learning, Neural Networks, Sentiment Analysis

**Hamadan University of Technology**, Hamadan, Iran *Sep 2012 - Sep 2016*  
Bachelor of Science in Computer Hardware Engineering *GPA: 3.3/4.0*

- Thesis: Developing a Secure Android Chat Application - Grade: A+
- Skills: Java, C++, C, Cryptography

## Projects

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**1QMA Game** *Apr - Sep 2023*  
Developed the backend application for an online live Question/Answer game using Python, Django and Django Channels (Websockets).

**Endless Runner Game** *Jul - Aug 2017*  
Developed an endless runner game for Android using Unity and C# Scripting.  
Code is available on my Github.

**Metaheuristic Algorithms** *Feb - Aug 2017*  
Developed multiple Metaheuristic Algorithms using C++ for my Advanced Algorithms course at Shiraz University.  
Code is available on my Github.

**Cryptography** *Feb - Aug 2017*  
Breaking *One-time Padding* and other cryptography algorithms using C++

## Awards and Achievements

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**Ranked 200 on MSc SATs between 40000 contestants** *Apr 2016*

## Leadership and Extracurricular

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**TA - Programming with C** *Sep 2015 - Feb 2016*

**Scientific Association of CSE Department - President** *Jul 2013 - Sep 2014*  
*Hamadan University of Technology, Hamadan, Iran*

- Managed and Held an ACM Competition at Hamadan University of Technology.

## References

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Available upon request.