

# Ali Soltani Nezhad

[Linkedin](#) — [Github](#) — [Website](#) — [Email](#) — +98 917 836 1517

## Work Experience

---

### 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
- Built and maintained multiple Jenkins jobs and pipelines for AWS Deployments, Automation, Server Administration and SLS Deployments, using Bash, Groovy and Git.
- **Technologies:** Python, Bash, AWS, Prometheus, Redis, Jenkins, Serverless, Docker, BLE(Bluetooth Low Energy), 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

---

**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

---

**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

---

**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

---

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

*Apr 2016*

## Leadership and Extracurricular

---

**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

---

Available upon request.