

Ali Soltani Nezhad

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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
- **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.