Ali Soltani Nezhad

Linkedin — Github — Website — Email — +98 917 836 1517

Skills

Programming: Python, Bash, C++, C, Django, C#, Typescript
Technologies/Tools: AWS Services, DynamoDB, Prometheus, Jenkins, Serverless, Docker, Postgres, Linux, Git, Unity, BLE (Bluetooth Low Energy)
Hardware Tech: ATMega (Hands on), STM32 (Mainly BLE, Linux Services), Arduino
Soft Skills: Communication, Team Collaboration
Languages: English (Fluent), Persian (Native)

Work Experience

Software Engineer - Backend *Feb 2023 - Present*
MATT3R, Vancouver, BC, Canada - Remote

- OS-level services development on Embedded Linux devices using Python and Bash

- CI/CD and IAC runtime development using Serverless, Docker, Jenkins and AWS Services

- Implemented monitoring architecture for cloud services and IoT devices using Prometheus, Grafana and PagerDuty.

- Implemented an end-to-end encrypted Bluetooth Low Energy (BLE) GATT server/peripheral service on Embedded Linux

- Implemented Passwordless auth workflow using Serverless, AWS Lambda and Cognito

- Setup on-prem deployments of MLOps platforms such as ClearML

- Built pipelines for Automation, Server Administration and SLS Deployments, using Bash, Groovy.

- Built MQTT-API support for cloud communication with embedded devices on top of AWS IoT Core.

- **Technologies:** Python, Bash, AWS, Prometheus, DynamoDB, 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.

- **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

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 Leaning, 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

Metaheuristic Algorithms (C++)   *Feb - Aug 2017*
Developed multiple metaheuristic algorithms such as Genetic Algorithm, Ant Colony Optimization, and Tabu Search for solving optimization problems.

Cryptography (C++)   *Feb - Aug 2017*
Explored cryptographic algorithms including breaking the One-Time Pad using C++.

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

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.