

# Ashkan Shakiba

Software Engineer · Computer Eng. Student

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## Technical Skills

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**Programming Languages:** Python, Java, JavaScript, TypeScript, Kotlin, C  
**Blockchain Technologies:** Solidity, Smart Contracts, Web3, Brownie, Wallet Development  
**Database Management:** SQL, MySQL, PostgreSQL, elasticsearch, redis  
**Backend Development:** Django, Django REST framework, CherryPy  
**Frontend Development:** HTML, CSS, Angular, Flutter, Scss  
**DevOps and Testing:** Git, Docker, Selenium  
**Operating Systems:** Linux (Ubuntu), Windows  
**Software Engineering:** Agile and Scrum, Design Patterns, Testing  
**Programming Expertise:** Data Structures and Algorithms, Object-oriented Programming, Microservices  
**Also familiar with:** Golang, Android Development, Flask, React, kibana

## Work Experience

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### Software Engineer

WALLEX

at Blockchain Team  
Website: <https://wallex.ir>

Tehran, Iran

Jul 2023 – Current

### Software Developer

TABDEAL CRYPTOCURRENCY EXCHANGE

at Blockchain Team  
Website: <https://tabdeal.org>

Tehran, Iran

Sep 2022 – Jan 2023

- Technologies: Python, Django, Django REST framework, MySQL, PostgreSQL, etc.
- Develop services to manage and transfer cryptocurrencies, such as wallets and node handlers

### Backend Developer

GRADIENT DATA PROCESSING (TECHNICAL TEAM OF MOBIN SARMAE)

- Technologies: Python, CherryPy, elasticsearch, kibana, pandas, NumPy, matplotlib, PIL, Selenium, etc.
- Develop services to explore and receive data, process it, and store it in an efficient way
- Implement multiple backend services for a financial explorer and its club

Tehran, Iran

Feb 2022 – Aug 2022

### Frontend Trainee

CODESTAR BOOTCAMP (AT MOHAYMEN ICT)

- Technologies: Angular, TypeScript, Scss

Tehran, Iran

Jul 2021 – Sep 2021

### Software Developer

FREELANCER

- Technologies: C, Java, JavaScript, Angular
- Develop multiple projects such as [Pexeso](#), [Simple Search Engine](#), etc.

Remote

Sep 2020 – Feb 2022

## Education

### Bachelor's degree in Computer Engineering

AMIRKABIR UNIVERSITY OF TECHNOLOGY (TEHRAN POLYTECHNIC)

Tehran, Iran

Sep 2020 – Current

GPA: 18.64 (out of 20)

Important Grades (out of 20):

- Fund. of Programming: 20 | Advanced Programming: 20 | Data Structures and Algorithms: 19.3 | Logic Circuits: 19.2 | Computer Architecture: 18.8 | Principles of Artificial Intelligence: 18.75 | Software Engineering: 20 | Mobile Programming: 20 | Database Design: 19 | Operating Systems: 20 | Microprocessor and Assembly: 20

### High School Diploma in Mathematics and Physics

NATIONAL ORGANIZATION FOR DEVELOPMENT OF EXCEPTIONAL TALENTS (SAMPAD)

Bojnord, Iran

Sep 2017 – Sep 2020

GPA: 19.35 (out of 20)

## Projects

### Bell

B2B PHONE CHARGE SYSTEM

Django, Django REST f. , PostgreSQL

 AshkanShakiba/Bell

Challenges:

- Implement ACID transactions
- Develop REST API and document it
- Using Scout APM to monitor services

### Kyusk

JOURNALISM APPLICATION

Django, PostgreSQL

 AshkanShakiba/Kyusk

Challenges:

- Database Management
- Develop views and design UI

### Paragraph

BLOG API

Django, Django REST f. , PostgreSQL

 AshkanShakiba/Paragraph

Challenges:

- Database Management
- Develop REST API and document it

### Clash Royale

ADVANCED PROGRAMMING FINAL PROJECT

Java, JavaFX, MySQL

 AshkanShakiba/Clash-Royale

Challenges:

- Develop game using MVC architecture
- Database Management
- Graphic Design

### Bookzy

ANDROID E-BOOK READER APPLICATION

Android, Kotlin

 AshkanShakiba/Bookzy

Challenges:

- Develop reader's functionalities and features
- Using firebase cloud as object storage service
- Graphic Design

## Teaching Assistant Experience

Feb 2023 **Software Engineering**, Teaching Assistant under the supervision of Dr. Alirezaei

AUT, UT

Feb 2022 **Fundamentals of Programming**, Teaching Assistant under the supervision of Mr. Alvani

AUT

Feb 2022 **Advanced Programming**, Teaching Assistant under the supervision of Dr. Zeinali and Dr. Kalbasi

AUT

Jul 2021 **Advanced Programming**, Workshop Documentation Author under the supervision of Mr. Hoseini

AUT

Sep 2021 **Fundamentals of Programming**, Teaching Assistant under the supervision of Dr. Zeinali

AUT

# Volunteering

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## Author and Mentor of Blockchain Workshop

*Tehran, Iran*

**RASTA**

*Jul 2023 – Sep 2023*

I am responsible for preparing content and mentoring the **blockchain workshop** in the summer school of **Rasta**. This workshop's purpose is to introduce the fundamentals of blockchain concepts to students and make them interested in blockchain and its applications.

## Mentor of Algorithmic Creativity and Python Programming Course

*Tehran, Iran*

**SHARIF UNIVERSITY OF TECHNOLOGY**

*Jul 2023 – Sep 2023*

I'm part of the mentorship team of the **Algorithmic Creativity and Python Programming** course. This course is held under the supervision of **Dr. Sharifi Zarchi** as a free course for all high school students to teach them fundamentals of programming with Python and algorithmic thinking.

## Official Member

*Tehran, Iran*

**STUDENTS' SCIENTIFIC CHAPTER (SSC)**

*Aug 2021 – Mar 2023*

Members of the Students' Scientific Chapter are annually chosen in an election and with the vote of Amirkabir Univ. of Tech. Computer Eng. Dept.'s students. I am selected as an official member and head of the competition commission. SSC has always held different events such as **LinuxFest (Linux and open source festival)**, **Amirkabir Collegiate Programming Contest**, Amirkabir Artificial Intelligence Summer Summit, Data Mining Challenge, **GameCraft** and etc. Also, SSC has presented talks, courses, and other programs to help students interact with the industry.

# Languages

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Native **Persian**, Mother tongue

Advanced **English**, Listening B2, Reading B2, Writing B2, Speaking B2