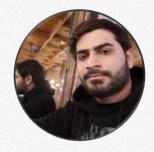# Aryan Ebrahimpour

Software & DevOps Engineer

💡 About Me

- 📅 6 years' experience
- 🎁 December, 22 1997
- 📍 Tehran, Iran
- 🔗 https://www.linkedin.com/in/avestura
- 🤖 More detailed version of resume: https://avestura.dev
- 📞 +98 938 878 8448
- ✉️ me@avestura.dev

Software Engineer

I'm an Iranian site reliability and software engineer and I've got my master's in computer engineering from the Iran University of Science and Technology in Tehran. I began programming in middle school and since then my interest has become an obsession. I love what I do, and I constantly strive to become a better software engineer. In general, I love anything related to math, engineering, technology, history, social sciences, writing, and art. I enjoy doing teamwork activities and cooperation as much as I enjoy being a lone wolf and doing stuff by myself.

🎓 Education

Master, Computer Engineering
Iran University of Science & Technology
Tehran, Iran

2019 – 2022
Marks: 90.8%

At Iran University of Science & Technology, I've studied performance evaluation of computer systems, distributed systems, cloud and grid computing, data mining, dynamic complex networks, and fault tolerance of software and hardware systems. My thesis was about scheduling algorithms in serverless platforms and function-as-a-service.

Bachelor, Computer Engineering
Guilan University
Guilan, Iran

2015 – 2019
Marks 95.9%

At University of Guilan, I began to share my knowledge about programming and web design with other students. After that, I became a member of the academic forum and participated in an ACM programming contest with the result of honorable mention. I had in-class presentations about Agile software methodologies, DevOps, Refactoring and Bad smells in code, Processes and Threads, SQL Server and Entity Framework related presentations, Economic and social topics like Human Development Index, Informal Sector, etc.

Mathematics and Physics
Eshragh High school
Guilan, Iran

2013 - 2015
Marks 81%

In years of high school, I've studied Discrete mathematics, Differential mathematics, Chemistry, Static and Dynamic Physics, Geometry, Statistics, Probability and Persian literature.

🎓 Publications

A heuristic-based package-aware function scheduling approach for creating a trade-off between cold-start time and cost in FaaS computing environments
Springer • The Journal of Supercomputing • March 7 2023

With the migration of enterprise applications to microservices and containers, cloud service providers, starting with Amazon in 2014, announced a new computational model called function-as-a-service. In these platforms, developers create a set of fine-grained functions with shorter execution times instead of developing coarse-grained software. In addition… Read More

⚙️ Professional Qualifications and Affiliations

- ACM Honorable mention
- Exceptional Talent of Iran University of Science and Technology

🏅 Programming Skills

Deeply Involved

- C#, F#, and .NET
- WPF / UWP
- TypeScript
- React & NextJS
- HTML & CSS
- ECMAScript
- Shell Scripting

Have Experience With

- Go
- PostgreSQL / SQLite / SQL Server
- Vue
- Raspberry Pi
- Java
- Arduino
- amd64 Assembly

Done Some Tasks With

- C & C++
- VHDL
- Rust
- Angular
- Zig
- Haskell
- Python

🏅 Career Skills

Deeply Involved

- DevOps
- Docker
- Gitlab CI
- Linux Administration
- Git
- OpenStack Development
- Argo CD
- Helm Chart Development
- Kubernetes
- Azure DevOps Extension Development
- Cypress E2E Testing
- Algorithm Design

- Functional Programming

Have Experience With

- Network Concepts and Protocols
- MPI
- Git

Done Some Tasks With

- Agile Methodologies

General Skills

- AutoHotkey Scripting (Experienced)

Work Experience

SystemGroup Co.
Full Stack Software & DevOps Engineer
Tehran, Iran • Full-Time Job • 2019 - Present

I work on a wide variety of DevOps related projects in SystemGroup, a large company in Tehran, Iran which provides enterprise-scale ERP systems, cloud solutions, automation and accounting services and software. Some of the projects that I've deeply involved with:

- Created a Tenant Service (Both Front-End & Back-End) on top of Kubernetes which deploys an entire Cloud Sepidar instance and handles all the backing service operations including backup & restore.
- Wrote a bot on top of Gitlab's API which prevents merging Merge Requests that do not satisfy project's requirements.
- Designed and coded the entire flow of shipping a Sepidar Cloud instance from a dev commit to ship into the production.
- Developed a custom Continuous Testing framework called SG.CodeCoverage
- Redesigned SystemGroup's Test Frameworks
- Maintained a custom fork of Zulip called sg-zulip for the company
- Created an easy-to-use knowledge sharing mechanism based on DocFX
- Created a remote-employee monitoring system on top of Skype for Business
- Created a rich-featured extension for easier testing and monitoring of internal systems as an Azure DevOps Extension
- Created company's open-source GitHub organization
- Created a fast coverage calculator with a graphical web and desktop dashboard

IUST Cloud Computing Center
OpenStack Developer
Tehran, Iran • Part-Time Voluntary work • 2020 - 2022

I worked for the Cloud Computing Center of Iran University of Science and Technology, a research cloud lab supervised by Dr Mehrdad Ashtiani. I've developed a bunch of tools on top of the OpenStack's API to administrate resources and distribute them among students. After one year, I became the mentor of the lab and helped many students to learn about cloud computing buzzwords and get started with OpenStack.

Freelancer
Full Stack Developer
Rasht, Iran

Because I was a student in a university far from the city, I couldn't work in a company, but instead, I worked as a freelancer and done side projects in my spare time. I built desktop and web applications at the time:

- Desktop Software Developer (WPF)
- ASP.NET Web Developer

HOMATEC
Desktop App Developer
Tehran, Iran • Part-Time (Full-Time in Summer) • 2016-2018

I developed Industrial applications for HOMATEC company, such as CityCloud cloud file storage app, Bafgh Automation app, etc.

🖥️ Personal Projects

Eyes Guard (2019)
Desktop windows application for protecting your eyes which helps you (also can force you!) to take a break if you are working with your PC for a long time.

Bafgh Automation (2016)
An enterprise automation application for a large company in Yazd. it includes reading weightbridge data, submit data in local database and sync with server, drag and drop report designer and more...

Avestura Paste Bin (2022)
A "modern" paste bin with restful API, S3 storage, custom paste URLs, and more. Available online at [PasteBin](#)

Photo Firemark (2017)
Hides a photo in another photo. read more about this project here: [Hiding a photo inside another photo](#)

Tom Cool (2022)
Alternative front-end in React for "Thomas's Cool Forum Software", an open imageboard forum created by my Norwegian friend Thomas.

And many more...

Please Visit https://avestura.dev/projects for more information and projects.

🖥️ Languages

- Persian
- English

🎵 Personal Interests

- Persian Poetry
- Economy
- Sociology
- Psychology
- Art
- Mathematics & Physics
- Electronics
- History
- Writing
- Politics
- Music

ℹ️ Personal Details

Degree: Master of Computer Engineering   Marital Status: Single
Birthday: December 22, 1997   Nationality: Iranian
Gender: Male

Declaration

I, Aryan Ebrahimpour, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

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Aryan Ebrahimpour

Tehran, Iran
June 22, 2023