

Brian Salehi

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Brian Salehi

Software Engineer

Professional Summary I'm a Linux application and system programmer working on UI applications, 3D graphics programming, image processing and embedded devices using C and C++ programming languages, and a few advanced development tools to do my work as professionally as I can. I'm also a huge fan of open source and I usually spend some of my spare time contributing to open source projects. Last but not least I have a notable discipline to balance out the energy I put in my work and studies in a cyclic manner so that I can always bring new skillset and innovations to work and become more experienced in them.

Experiences

Arad Research and Development Company *aradtechs.com*
Software Engineer **05/2021 - present**
Contributed to many projects in a professional team from programming desktop applications, designing user interfaces, programming 3D graphical applications and web services to documenting each of these projects extensively.

Freelance *milextone.ir*
Software Engineer, Technical Trainer **03/2019 - 04/2021**
I had 11 students from freshman year of college to PhD candidate in Iran, Germany and Poland, teaching programming and administration.

Manzoomeh Negaran Holdings *seller.ir*
Software Engineer, Database Specialist **06/2016 - 6/2017**
Designed, implemented and maintained the back-end and database services of an industrial webstore.

Cooperations

Bioengineering Laboratory *Poland (undisclosed)*
Software Engineer **08/2020 - present**
Consulting technical solutions for development of computational services.

Sarmad Business Services Company *Iran (sarmadbs.com)*
System Administrator, Database Specialist **04/2021 - 06/2021**
Consulting technical solutions to maintain systems and services.

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Skills

Technical Skills

C Programming

Linux interface programming and developing high performance services

C++ Programming

Writing native C++ programs using STL and recent language standards

x86_64 Assembly Programming

Writing processor specific high performance procedures and data vectorization

Qt, QML, JavaScript

Developing full-featured graphical user interfaces for desktops and mobile devices in C++

OpenGL, GLSL

3D graphics programming and developing game engines using C++

OpenCV

Developing image and video processing applications in only C++

Linux Administration, Bash Scripting

Configuring, automating, administering and securing Linux systems and services

PostgreSQL, MySQL, MongoDB

Designing, developing and administering relational and non-relational databases

Tools

Git, Docker, Kubernetes

Using Git workflows and applying containerization and continuous delivery

GCC, GDB

Using compilation optimization and debugging techniques

Make, CMake, CTest, CPack, CDash

Adapting auto-compilation, testing, packaging and monitoring

Doxygen, UML, PlantUML

Writing precise tutorial like documentations containing UML diagrams

Atlassian CI/CD Tools

Maintaining, testing and documenting code base in Atlassian tools

Miscellaneous Skills

Vim

My default text editor for coding and configuring

Python

Using for educational purposes in machine learning

LaTeX

Writing documents, specially this resume

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Education

Islamic Azad University, Tehran North iau-tnb.ac.ir
MSc. of Computer Science, Software Engineering 09/2021 - 06/2023

Islamic Azad University, Tehran East iauet.ac.ir
BSc. of Computer Science 09/2016 - 06/2021

Certificates

Fanavaran Anisa Ins. anisa.co.ir
Embedded Linux 5/2021 - present

Fanavaran Anisa Ins. anisa.co.ir
Linux Application Development 5/2021 - present

Fanavaran Anisa Ins. anisa.co.ir
LPIC-3: Linux Security 3/2017 - present

Fanavaran Anisa Ins. anisa.co.ir
LPIC-2: Linux Networks 3/2016 - present

Fanavaran Anisa Ins. anisa.co.ir
LPIC-1: Linux Systems 3/2015 - present

Certificate files can be found here: briansalehi.ir/certs

Interests

Technical

Image processing, machine learning, graphics programming, user interfaces, kernel hacking, embedded Linux, software design, algorithms, PCB and hardware design, mathematics, quantum mechanics, philosophy, psychiatry

Personal

Playing electric guitar, swimming, reading books, watching series, biking, running, hiking

Languages

English

Fluent
I have a strong studying background in English as a proof (briansalehi.ir/library).

German

Basic
I am currently learning German to begin studying German books and finding German friends.

References

Dr. Farhang Jaryani
Faculty of Computer Science, Arak University, Iran
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