

Brian Salehi

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No 15, Mojdeh st.,
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Brian Salehi

Software Engineer

Professional Summary I am a Linux system programmer, having experience in C and C++ programming and using a few scripting languages and development tools. I am interested in open source movement, and I usually spend some of my spare time making open source tools or contributing to open source projects.

Fields of Expertise

Linux System Programming

Linux applications and services

User Interface Development

Designing desktop user interface using Qt framework

Fields of Studies

Linux Kernel Programming

Linux device driver development

Image Processing

Using OpenCV library to process images and videos

Graphics Programming

Creating 3D graphics scene using OpenGL APIs

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Experiences

Arad Research and Development Company *aradtechs.com*
Software Engineer **05/2021 - 05/2022**

Contributed to and maintained major projects of user interfaces, desktop applications, 3D graphical applications, and web services.

Training *milextone.ir*
Software Engineer, Technical Trainer **03/2019 - 03/2021**

I had 11 bachelor's, master's and PhD level students in Iran, Germany, Poland and United States, teaching programming and administration.

Manzoomeh Negaran Holdings *seller.ir*
Software Engineer, Database Specialist **06/2016 - 06/2017**

Developed the back-end service and database 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.

Contributions

Open source contributions will be listed here as soon as they are accepted by open source communities.

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Skills

Technical Skills

C++

Writing programs using STL and Boost with recent language standards

C

Linux interface programming and developing high performance services

Python

Advanced scripting, prototyping, and automating with unit tests

x86_64 Assembly

Writing processor specific high performance procedures and data vectorization

Qt, QML

Developing full-featured cross-platform graphical user interfaces

OpenCV

Developing image and video processing applications

OpenGL, GLSL

3D graphics programming and developing game engines

Bash

Advanced scripting, prototyping and automating in Linux systems

Linux Administration

Configuring, automating, administering and securing Linux systems

JavaScript, TypeScript

Using for application user interfaces and web services

PostgreSQL, MySQL, MongoDB

Designing, developing and administering relational and non-relational databases

Tools

Git

Using source control professionally along many of development workflows

Docker, Kubernetes

Dockerizing and shipping projects using advanced containerization techniques

GCC, GDB

Using compiling optimizations and debugging techniques

Sanitizers, Valgrind Suite

Using advanced profiling tools along development

Make, CMake Suite

Adapting projects to auto-compiling, testing, packaging and monitoring

Doxygen, Sphinx, UML, PlantUML

Writing precise documentations containing UML diagrams

Miscellaneous Skills

Vim

My default text editor for coding and configuring

LaTeX

Writing documents, including 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

Interests

Technical

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

Personal

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

Languages

English Fluent

I have a strong studying background in English.

German Basic

I'm currently learning German to the extent of communicating fluently.

References

Dr. Farhang Jaryani *fjayani@yahoo.com*
Faculty of Computer Science, Arak University, Iran