Brian Salehi

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Address
No 15, Mojdeh st.,
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Iran

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

Experiences

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

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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, JavaScript
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

PostgreSQL, MySQL, MongoDB
Designing, developing and administering relational and non-relational databases

Tools

Git
Using source control professionally along many of development workflows

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, UML, PlantUML
Writing precise documentations containing UML diagrams

CI/CD Tools
Storing, maintaining, testing and documenting code base in CI/CD tools

Miscellaneous Skills

Vim
My default text editor for coding and configuring

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**

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