DAVI FROSSARD
Software Engineer

Resume

Bachelor's degree in Control and Automation Engineering and technical diploma in Electronics. Four years of experience as software engineer focused on embedded systems. Working remotely for big tech companies of US and Korea. Good knowledge of C/C++, Python and Linux. More than five years working with electronics and microcontrollers.

General and Contact

Brazilian
Belo Horizonte - MG / Brazil
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Competencies

C/C++, Python, Assembly, Linux Git, Perforce, Docker, Kubernetes, Jira, Scrum, Kanban, FPGA, VHDL, MATLAB

Soft skills

Easy-going person, natural leader and good communicator. Usually looks for new ideas to do something well-stablished, driven by results. Prefer complex and analytical tasks, showing fast and autonomous learning. Can handle unexpected changes and obstacles without great difficulties. For more information, please click the link: assessfirst.com/davi-frossard

Languages

Portuguese (Native)
English (Advanced)

Awards and Honors

Federal University of Minas Gerais (UFMG - February 2019) - Gold Medal for achieving the highest overall average among the class of 2018/2 graduates.

Experiences

Encora Digital Inc
Software Engineer
- Working with cloud platform optimization in Edge Computing team.
- Main technologies: Linux, Python, C/C++, Docker, Kubernetes
- System profiling using tools like VTune to identify opportunities to optimize performance of the platform. Refactoring components and bug fixing.

Jan 2022 – present (Remote)

Cadence Design Systems
Software Engineer
- Research and Development Engineer in the Verification of Intellectual Property for PCIE protocol team.
- Maintenance of code, correcting bugs and non-compliances with PCIE spec.
- Customer support with the VIP suite and protocol behavior in corner cases.
- Heavy user of Perforce, Swarm, Linux and Shell scripts.

July 2020 – June 2021 (Remote)

SIDIA - Samsung R&D Institute of Amazonia
Software Developer
- Development of new accessibility features for Samsung TV, improving user experience for people with visual/hearing impairments using multi-language platforms: C++, C#, Python, JavaScript
- Development and maintenance of GINGA DTV/ISDB middleware
- Heavy user of Git, Linux and Shell scripts
- Experience with Static Analysis, SCRUM, Kanban

July 2019 – June 2020 (Manaus/Brazil)

Otimiza Solutions
Internship, Software Developer
- Embedded systems design using Assembly, C++ and C#
- Proof-of-Concept developments, using Raspberry/Arduino for access control and remote assets identification using network protocols: TCP, HTTP.
- Developing applications using GPIO, UART, I2C, SPI, ADC, ISR, etc.

October 2016 – September 2017 (Belo Horizonte/Brazil)

Education

Federal University of Minas Gerais (UFMG)
Bachelor Control and Automation Engineering (2014 - 2018)
Federal Center of Technological Education of Minas Gerais (CEFET-MG)
Technical Diploma in Electronics (2011 - 2013)

Other Activities

Eighth Presbyterian Church of Belo Horizonte
Small Groups Leader and Volunteer (2016 - 2019)
Music Group Director (2020 - 2022)