

Fellipe Rollin

Software Engineer

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Summary

I am a software engineer with over 11 years of professional experience. I have worked on desktop, mobile and embedded applications. I have strong knowledge about C, C++ and development of graphical user interfaces using Qt/QML. I have a solid background in creating complex mobile applications for Android. I have extensive experience in the full life cycle of software development right from requirements gathering, design, prototype, managing schedule, development, testing and maintenance.

Areas of Expertise

C++ programming skill and experience
Mobile applications development for Android and Tizen
Expert in working with various operating systems
Skilled in the development of cross-platform and embedded applications
Experience with Qt Framework and programming graphical user interfaces with QML
Familiar with Agile development techniques

Technical skills

OS	Linux/Unix, Windows
programming	C, C++/Qt, Python, JavaScript, Java
databases	SQLite, MySQL, Postgres
version control	GIT, CVS, SVN
process	SCRUM

Education

2005 – 2008 **Bachelor of Information Systems**, UNISUL, Santa Catarina, Brazil.

Experience

mar/2016 (current)	Sr Software Developer , SYMBIO, Stockholm - Sweden. <ul style="list-style-type: none">○ Developing a security social network for Android.○ Created a prototype of smart security system using RaspberryPi and C++/Qt.○ Developed an audio streaming platform including back-end, Android and iOS apps.
nov/2014 – mar/2016	Software Developer , NOKIA INSTITUTE OF TECHNOLOGY - INDT, Manaus. <ul style="list-style-type: none">○ Developed a cross platform application(Qt/C++) interacting with data storage device.
aug/2013 – nov/2014	Software Developer/Team Leader/Project Coordinator , SAMSUNG ELETRONICS - SIDIA, Manaus. <ul style="list-style-type: none">○ Porting Android application to Tizen platform.○ Developed Samsung's driving solution that allows users to interact with the mobile device(Android) using voice control features. Worked on this project as Technical Leader and Team Leader.○ Developed Android mobile application to manage sales and issue an electronic receipt used by Department of Finance of Brazil.

- jun/2012 – **Software Developer**, NOKIA INSTITUTE OF TECHNOLOGY - INdT, Manaus.
- aug/2013
- o Implemented a cross platform game with cocos2d-x(C++) running in Linux, Android and Windows Phone.
 - o Developed a mobile application in C# to monitor bus location in the city of Manaus.
 - o Implemented HotSpot 2.0 support for Nokia mobile platforms.
 - o Developed the embedded software for a portable GPS device to monitor wildlife. The developed SW included advanced features for reduced battery consumption. This platform is now in trial by WWF to monitor animals in Nepal.
 - o Two proposals for projects to the internal innovation process promoted by INdT were approved to be initiated:
 - Created a mobile solution to help the hearing impaired detect potential danger in the surrounding environment. This application analyses sounds from the surrounding environment and provides visual and tactile feedback to the user, with an intensity proportional to the volume of the captured sounds and a guess of the audio source (e.g., an alarm, a horn) as well as the direction of the audio source.
 - Researched, designed and implemented an open source public transport platform using Python, Nokia Here API and JavaScript with JQuery and Windows Phone Application written in the C#. This platform will be used to provide traffic related information to Nokia Here.
- aug/2009 – **Embedded Software Developer**, DATACOM TELEMATICA, Florianopolis.
- may/2012
- o Developed cross platform embedded Linux applications for telecommunication equipment written in C/C++.
 - o Implemented a front-end(Javascript + jquery) and embedded server(C + Postgres) to configuring and managing telecommunications and network equipments from Datacom.
- jan2008 – **Embedded Software Developer**, DIGITRO TECNOLOGIA, Florianopolis.
- aug/2009
- o Developed cross platform embedded Linux applications for telecommunications equipments written in the C/C++.
 - o Implemented a distributed backup system for audio records. This system is used by Brazilian Federal Police and Call Centers around the world.
 - o Developed a call recorder for Call Centers and Brazilian Federal Police.
 - o Developed a desktop screen recorder for Call Centers. This recorder is used by Call Centers in Brazil.
- oct/2007 – **Mobile Applications Software Developer**, FAZION SISTEMAS, Florianopolis.
- aug/2008
- o Implemented a trouble ticket system for mobile devices (J2ME). This system was created and used to Global Village Telecom(Brazilian telecommunications company) partner.
 - o Created Web Service to communicate with mobile devices in PHP with JavaScript.
- dec/2006 – **Mobile Applications Software Developer**, WAPCASH PROJECT - UNISUL/SUN-TECH/TECHBAY/NEXXERA, Florianopolis.
- oct/2007
- o Developed a mobile payment software in J2ME for cellphones. This system was used by the platform from the project sponsors.

Languages

Portuguese	Native
English	Advanced
French	Basic
Spanish	Basic

Publications

ROLLIN, Felipe, Ueno, Alexandre, Bonfatti, Talitha Roberta, Velho, Luana In: Capacidade Empreendedora. Florianopolis : Pandion, 2011, v.1, p. 1-200.

Felipe Rollin, "Arduino: from prototype to final product," in Free and Open source Software Developers' European Meeting (FOSDEM), (Brussels), feb 2013.

Fellipe Rollin, "Arduino: da prototipagem ao produto final," Conferencia Latino-Americana de Software Livre (Latinoware), (Foz do Iguacu), oct 2012.

Fellipe Rollin, "Arduino: da prototipagem ao produto final," The Developer's Conference (TDC), (Goiania), Aug 2012.

Fellipe Rollin, "Arduino: da prototipagem ao produto final," The Developer's Conference (TDC), (Florianopolis), oct 2012.