

Name

**Bruno Dal Bo Silva**

Address

550 NW 19th Ave, Apt 616. Portland OR 97209

Telephone

+1 (503) 442-6264

Email

bruno.dalbosilva@gmail.com

## Profile

Self-taught, objective-driven individual. Reserved, yet respected team member. Believes that overcoming challenges is the ultimate personal, professional and team building exercise.

## Professional Experience

2017+

Senior Software Engineer at HP Inc, Vancouver WA. Senior Software Engineer within the Print Software Solutions Lifestyle section at HP. Delivered first iteration of Augmented Reality-enabled applications for the 2017 Sprocket product line using software-based and hardware-accelerated computer vision algorithms. Architected and led implementation of a transport-agnostic application protocol for mobile printers, used in 2018 Sprocket product line.

2015-2016

Firmware Architect at HP Inc, Vancouver WA. Firmware architect within the CTO Office's wearables initiative. Extensive work with ARM Cortex-M4, Open/FreeRTOS, Bluetooth Low Energy. Responsible for writing internal standards and specifications for BLE communication, security model, and general firmware outline. Worked closely with cloud and mobile teams guaranteeing IoT platform end-to-end functioning with agnostic message passing system.

2013-2015

Software developer at Hewlett-Packard Brazil RnD, Porto Alegre, Brazil. Part of mobility incubation team, working on cutting edge and proof-of-concept IOT, cloud and mobile applications projects. Technologies including Android, iOS, Embedded Linux (yocto project), Bluetooth Smart.

2011-2013

Software Engineer leading the Firmware Development Team at IMS Power Quality – Soluções em Energia R&D department, Porto Alegre, Brazil. Responsible for re-engineering the framework used to develop Power Quality meters. DSP algorithms (Real Time) for Power Quality and General Purpose Meters. Multi-core communication pipeline development.

## Academic History

2006-2011

Electrical Engineering at the Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, Brazil. Graduation in January 2012.

2008-2010

Ecole Centrale de Lille, Lille, France. Multi-disciplinary engineering and management courses. Two-year exchange program in agreement with the mother university.

## Skills

Software

Reliable architecture specification. Strong OO skills. Real Time processing specification and development. HTTP (REST, RPC) services.

Languages and Frameworks

Solid experience with JavaScript (nodejs, some frontend) C/C++ (embedded, linux), Obj-C (iOS), Java (Android). Some experience with Python, Go, MySQL, MongoDB.

Embedded Platforms

Extensive work in embedded processors, mainly Cortex Mx and TI-DSP. Embedded Linux Yocto Project custom image building.

Process

Experience working in Agile Scrum teams. Advocate for lean processes.

Languages

Portuguese (Mother Tongue), English (Fluent), French (Fluent)

## Entertainment and Leisure

Technology

Web-based system development, Open Source and Open Hardware enthusiast. Mobile application development.

Other Interests

Literature, Cinema, Behavioral Economics, Euclidean Geometry, Particle Physics & Video Games