Name	**Bruno Dal Bo Silva**
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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