



## Marcelo Lorenzati

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Software oriented Electronic Engineer with 15+ years' experience in software development with a background on computer, security development lifecycle, embedded and real time systems.

Passionate for software developing, learning and skillful in terms of software languages and technologies. Has a strong team work orientation and likes to face new challenges at work.

Had effectively played diverse roles in software development life cycle, as Product Security Champion, technical leader, software developer, QA automation developer and configuration manager.

Has upper-intermediate level of English (written / spoken) and holds a First Certificate in English.

## Education

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- PS on Embedded System \*(2011 – 2014), Instituto Universitario Aeronáutico, grade 8.7 of 10 (\*Ongoing thesis)
- Bachelor degree on Electronics (1993 – 2002), Universidad Nacional de Mar Del Plata, grade 7 of 10
- High school degree on Electronics (1987 – 1993), Escuela de Enseñanza Técnica, grade 8.8 of 10

## Conferences and Publications

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- CACIC 2009: "A CIM Framework for Standard-Based System Monitoring Using Nagios Plug-ins".
- SASE 2010 Tutoriales: "Desarrollo de drivers y aplicaciones para FreeRTOS"
- SASE 2011: Yocto and MeeGo OS/SDK, application development.
- CASE 2012: Paper Reviewer/approver.
- SWPC 2013: Mobile 3D Modeling - 3D Model Reconstruction Using a Mobile Device
- INTI Workshop Metrología 2015: Seguridad en la Internet de las Cosas

## Work experience

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### Intel Corporation

Sr. Software engineer (2007 – Present day) (8+ years)

- Helix Device Cloud 2.0: Product Security Champion and developer for a multi-tenant, high available IoT Platform as a Service that securely connects and manages edge-devices in the cloud, including data collection and real time data processing.
- Enterprise Digital Fence: Technical leader and developer for the capability to enable automatic location-oriented enforcement of a data protection policy for a system with encrypted storage (SCCM, WDF, Smart Connect)
- App Up NG – Digital Store – Developer of features related of federated Id / User profile / Provisioning Management / Device Profile, integrating with 3th party services like application content providers, location, cloud storage, social authentication and billing.
- Intel App Up V1: Development of the store client in C++ / HTML5 / JavaScript / CSS / WMI (Login, browse, analytics, provisioning process, installation).

- Intel Service Manager: Design and development of the service client on C++ for windows / Linux, development multiplatform installer for end user and OEMs.
- Santiam Pass: Test automation for billing batch process (Java EE).
- Cielo Vista – Linux device driver to adapt processor parameters depending on real time workload.
- LAR Higher Education Academic Contact:  
Academic contact between Intel and major Argentinean Universities on electronic and software, topics cover open source technologies, trainings, donating technical equipment and literature and universities cross-pollination.

## Maker Electronica

Firmware and Software Developer (2004 - 2008) (5 years)

Development of firmware and software for GIS (Geographic Information Systems) with sells in Latin America Region

- DAC System (Dispatch – Administrate – Control) of Mobile fleets  
Development of SoC firmware with GPS/GSM and development of server side backend
- AVL Systems (Automatic Vehicle Localization). Development SoC Linux drivers and applications.

## Skills

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Configuration manager tools: Git, Mercurial, SVN, Ant, NAnt, Bamboo, team City, Jenkins.

Programming Languages:

- Drivers: WDF (Windows Driver Foundation) kernel and user mode, LDDM (Linux Device Driver Model).
- Standard: C, C++, Pascal, QT, boost.
- Managed: C#, .NET, WPF, WCF, Java EE, Spring, Spring MVC, and Python.
- Scripting: Shell Scripting, Perl, PowerShell.
- Build: Autotools, Autoconfig, Make, CMAKE, Buildroot, Poky, and GNU.
- Web: HTML5, JavaScript, CSS, NodeJS, Angular, PHP, JSTL.
- Mobile: Android (NDK, SDK), Yocto, Tizen.
- Cloud: AWS, Vagrant, Docker, Puppet, Chef.

Platforms: Linux, UNIX, Windows.

DB: Hbase, Impala, mysql, MS sql, sqlite

Frameworks: boost, Qt, GTK, VTK, OpenCV, Intel Perceptual Framework.

Trainings:

- Security Development Lifecycle Principles, 2014, Microsoft (Paul Bate)
- Python, 2013, Menttes Software Consulting.
- Secure Java Coding and threat mitigation, 2013, Safelight Security.
- Hybris: e-commerce platform, 2013, Intel Corporation.
- HTML5: 2013, Maximiliano Firtman.
- Spring MVC: 2012, Intel Corporation.
- Advanced Linux Development: 2012, Machinalis.
- C++ Certification: 2011, Intel.
- TDD: Test Driven Development, 2011, 10 Pines (Hernan Wilkinson).
- Linux Professional Certification: 2010, Intel.