

Pedro F. Giffuni

PERSONAL INFORMATION

Current Address

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Nationality: Italian/Colombian

PERSONAL STATEMENT

I am a Mechanical Engineer with a M. Sc in Industrial Engineering and I have developed my career as a Product Engineer, applying Six Sigma methodologies in engineering production settings, but I love to work in multidisciplinary projects involving electronics and software. In addition to my engineering experience I am a Full Stack Developer and Software Developer Technician. I enjoy working in multidisciplinary teams and have experience working within open source software communities (OpenOffice and FreeBSD).

WORK EXPERIENCE

Apache Software Foundation (*non-profit software development*)

Software Developer/Project Management

09/2011 to current

- Apache OpenOffice Project Management Committee alumni and one of the major contributors.
- QA: introduced complementary QA procedures including Coverity scans, re-implemented and improved many math functions, and coordinated work with other Apache projects.
- Addressed major license compliance issues and updated almost all components in OpenOffice, the leading opensource office suite with more than 200 million users.
- Speaker in ApacheConEU 2012 (Sinsheim), 2014 (Budapest), and 2014 ApacheConEU Big data (Seville).

FreeBSD (*non-profit software development*)

Software Developer/Project Management

09/2011 to current

- Google Summer of Code Mentor and Organization Admin for the organization for 4 years.
- Porting and maintenance of many math, science, engineering, and networking utilities.
- Main source committer with more than 2000 Subversion (SVN) commits in the base tree.
- Fixed dozens of bugs and issues using a systematic approach with static checkers to target them.
- Ext2/3/4 filesystem maintainer. Improvements for FAT and UFS filesystem support.
- Major updates including DTrace dynamical debugging facility and the compiler toolchain, as well as bringing updates from downstream vendors, including Apple and OpenSolaris.
- General QA, use of CI (Jenkins) and VCS (git and svn).
- Speaker in EuroBSDCon 2008 (Strasbourg) and BSDCan 2014 (Ottawa).

San Lorenzo – INRA S. A. (*Automotive – Stamped parts*)

Product Engineer

10/2008 to 05/2010

Bogotá, Colombia

- Six Sigma Advanced Product Quality Planning and introduction of new in-plant technologies.
- QA, Project Management and technical support in part development for the Automotive Industry.

Belcorp, General Fire Control, Various (Metal-mechanical – Pharma)**Freelance Consultant**

06/2003 to 06/2007

Bogotá, Colombia

- Part-time consulting for multinational companies in Machine Design, installations, technical support in cosmetics for the areas of quality and packaging.

Swanson Center for Product Innovation (research, education)**Graduate Research Fellow**

09/2001 to 09/2002

Pittsburgh, USA

- Team leadership and Product realization using Additive Manufacturing and Reverse Engineering for local customers including CMU Robotics Institute and Univ. of Pittsburgh Medical Center UPMC.

PROGEN S. A. (Metal-mechanical/Plastics – Equipment)**Manufacturing/Process Engineer**

04/1998 to 01/1999

Bogotá, Colombia

- Lean manufacturing PM leader and QA team.

UNIX/AIX System Administrator

Biblioteca Central Univ. Nacional (Education – Public Sector)

01/1996 to 12/1997

Bogotá, Colombia

- Main system's technical engineer: responsible for the networking services (Webserver, DNS, email, file servers) and the main Information System database for the distributed library cards.

EDUCATION AND TRAINING**FullStack Developer**

July 2019

*BICTIA - BIT.***CYBER504x Networking Security**

November 2017

Rochester Institute of Technology, edX.

Score: 95%

Master in Industrial Engineering, MSIE

2000 - 2001

University of Pittsburgh, Pittsburgh, USA.

GPA: 3.4 / 4.0

Master in Administration

1997 - 2000

Universidad Nacional de Colombia, Bogotá, D. C., Colombia

Score: 4.0 / 5.0

Thesis: Use of Petri Networks in Project Management.

Mechanical Engineer

1992 - 1997

Universidad Nacional de Colombia, Bogotá, D. C., Colombia

Score: 3.6 / 5.0

Thesis: Design and Implementation of the Software for a Generic Numerical Controller.

Recognition "*Ingeniero Técnico Industrial, Especialidad Mecánica*", MECD 2004/H01285, Spain.**PERSONAL SKILLS****Languages:** Spanish (Native), English (BULATS-C2), Italian (CELI3-B2) and French (Basic).**Management:** General management and project development skills including PMI techniques (PMBok: WBS, EV and S Curves). Experienced on UML Use Case and Class diagrams. Knowledge of ISO 9000, BPMN (Bizagi), IEEE 29148 SRS and related standards.**Technical:** Experience in UNIX (DNS, mail, networking) and MS Azure and AWS Cloud infrastructure, C/C++, PHP, HTML5, CSS3, Bootstrap 4, Ruby on Rails, PHP/Laravel, JavaScript, ReactJS, Angular, Java, GIT, Subversion, MySQL, PostgreSQL and MongoDB databases. Lean Six Sigma. Proficient in Minitab, R, SolidWorks, and advanced MS-Excel and MS-Project tools. Adobe Photoshop ACA Certification.