

Diego Fabián Smania



- 📌 **FULL STACK DEVELOPER**
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Profile

I'm a *Full Stack Developer* with a scientific background and over 12 years of experience in the IT industry. My primary goal is to continue growing as a professional within an IT-driven company, improving my skills as a developer, with a particular focus on web development.

Over the course of my career, I've worked with a wide range of technologies, gaining expertise in (listed by learned order):

- Embedded software development using *C/C++*, *Lua*, and *Python*.
- Desktop application development with *C#* and the *.NET Framework*.
- Web design, development and maintenance using *PHP*, *Javascript/JQuery*, *HTML5/CSS3*, and databases systems like *SQLite/MySQL*, often working with *Laravel* and leveraging *Bootstrap* for responsive design.

Currently, I'm focused on improving my expertise in *Laravel*, and as part of this path I spare some of my free time to maintain and enhance the [jeroennoten/Laravel-AdminLTE](#) project at *Github*. That said, I'm always open to learning and adapting to new technologies.

Professional Experience

*Jul 2020
to
Present*

Software Developer at LLW Ingeniería S.R.L.

Involved in the design, development and maintenance of a system for the telecommunications sector. The system consists of a core application/service developed with *C#* (*.Net Framework* and *The Mono Project*) for a *Linux* environment, aimed at controlling and managing telephony-related hardware devices to provide voice communication between subscribers lying in two different technologies (*X25/LAPB* and *SIP*). This system is complemented by an administrative web panel, developed using the *Laravel framework*, which allows for provisioning, monitoring, configuration, and overall system management.

Maintenance and bug tracking/fixing over a *Softswitch* software developed in *C/C++* technologies.

Development of scripts with *Python* to automate tasks at the company for different purposes.

*Sep 2011
to
Feb 2020*

Software Developer at Microtrol S.R.L.

In the early years of my career, I developed and maintained several interactive applications for digital television transmissions as part of the *GINGA Project*, utilizing *NCL* and *LUA*. One notable project was a soccer statistics application that was broadcast alongside each match of the *Argentine Soccer League*.

As I gained experience, I transitioned into firmware development for *Set-Top Boxes (STBs)* with various architectures (*SH4*, *ARM*), primarily using *C/C++*. My key contributions during this phase included integrating the latest *GINGA Middleware* into *STB* devices, implementing a custom *MPEG-DASH Adaptive Streaming* protocol, and developing a new generation of *STBs (non-Android)* that supported native multimedia applications, including *Twitter* and *YouTube* clients.

In the final and most extended phase of my role, I focused on developing and maintaining a web-based system that managed logistics, monitoring, and remote support for a set of *Android* devices distributed to the education sector as part of a government program. I worked with technologies such as *PHP*, *JavaScript/jQuery*, *HTML5/CSS3*, *SQL*, and frameworks/libraries like *Bootstrap*, *AdminLTE*, and *Laravel*. Additionally, I handled bug tracking and troubleshooting in the *Android* device firmware and the underlying agent responsible for reporting device information to the web system.

Education

2010
to
2011

Course: Java Programming

Fundación Libertad
170 Mitre St., Rosario, Santa Fe, Argentina

Approved the initial, intermediate and advanced level of the course *Sun Java Programming* from *Red Proydesa* in relation to a scholarship program called *Becas ControlF*.

2000
to
2017

University: Bachelor on Computer Science

Facultad de Ciencias Exactas, Ingeniería y Agrimensura (FCEIA)
Universidad Nacional de Rosario (UNR)
250 Pellegrini Ave., Rosario, Santa Fe, Argentina

Completed 93% (28 over 30 courses) of the bachelor's degree in *Computer Science* with an average of 8.3 over 10. Refer to [Appendix A](#) for more details about the academic plan.

1995
to
1999

High School: Technical Bachelor

Instituto Politécnico Superior General San Martín (IPS)
250 Pellegrini Ave., Rosario, Santa Fe, Argentina

Obtained a technical bachelor's degree with specialization on electronics.

Skills

<i>Natural Languages</i>	Spanish: Native proficiency. English: Professional working proficiency for read/write and elementary proficiency for speak.
<i>Programming Languages</i>	Knowledges on <i>C/C++</i> , <i>Java</i> , <i>C#</i> , <i>Python</i> , <i>Lua</i> , <i>PHP</i> , <i>CSS3</i> , <i>HTML5</i> , <i>Javascript</i> , <i>Bash</i> , <i>SQL (MySQL / SQLite)</i> .
<i>Frameworks and Tools</i>	Experience with <i>jQuery</i> , <i>AdminLTE</i> , <i>Bootstrap</i> and <i>The Laravel Framework</i> .
<i>VCS</i>	Familiarized with the next Version Control Systems: <i>Git</i> , <i>Github</i> , <i>Subversion (SVN)</i> .
<i>Operating Systems</i>	Experience on administration and developing under <i>Linux</i> and <i>Windows</i> operating systems.

References

<i>Sergio Monti</i>	Engineering Manager at <i>Microtrol SRL</i> Phone: +54 9 (341) 6467488
<i>Walter Lozano</i>	Software Engineer at <i>Microtrol SRL</i> Phone: +54 9 (341) 6519699
<i>José Sodo</i>	Technical Area Manager at <i>LLW Ingeniería SRL</i> Phone: +54 9 (3468) 533618
<i>Luis Piñeiro</i>	Commercial Manager at <i>LLW Ingeniería SRL</i> Phone: +54 9 (341) 5047964

Appendix A

Details of the academic plan for the bachelor's degree in Computer Science.

Year	Course	Grade
1	Algebra and Analytic Geometry I	8
	Mathematical Analysis I	7
	Introduction to Informatics	6
	Algebra and Analytic Geometry II	7
	Mathematical Analysis II	5
	Analysis of Programming Languages I	5
2	Mathematical Analysis III	8
	Linear Algebra	5
	Logic and Algorithms	9
	Discrete Mathematics	7
	Computer Architecture	10
	Numerical Analysis	7
3	Probability and Statistics	8
	Data Structures	8
	Analysis of Programming Languages II	10
	Physics I	10
	Mathematical Analysis IV	9
	Operating Systems	10
4	Software Engineering I	8
	Communications	10
	Physics II	9
	Operative Investigation	10
	Database Theory	10
	Software Engineering II	-
5	Introduction to Artificial Intelligence	9
	Investigation Methodology	10
	Digital Image Processing	9
	Machine Learning	9
	Internship	10
	Thesis	-