

# Esteban Eduardo De La Fuente Rubio

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**About me:** I enjoy developing mini-apps and services that make life easier, ex: administrative tools, scripts or web services. I like challenges and the process of research for a solution to the problems presented by my clients or employers. I believe that free software is *the* way of doing software, for that reason I started to publish my codes, even the oldest, in my Github account. Finally, I am passionate about GNU/Linux.

## Work experience

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### SASCO SpA, Santiago

mar 2012 to present

I am the engineer that make the designs of solutions for our clients. Currently, I am in charge of the electronic invoices area, primary service of the company.

### Andrés Bello University, Santiago

nov 2012 to present

Instructor professor at the Faculty of Engineering for the courses Introduction to Programming, Operating Systems and Networking. In 2014 I organized the IT infrastructure for supporting different services (mainly web apps), since then I was a system administrator for those servers. I developed a web app for supporting processes that impact students and academics of the whole faculty associated to thesis and internship of students.

### Colectron S.A., Santiago

apr 2014 to present

Unification of different systems of the company. I migrated 4 of 5 initial systems to a new web app. This web app is now being used by about 100 employees. Additionally I had work as system administrator of several servers, mainly those that support the web app that I am developing. Since june 2016 Colectron S.A. is client of SASCO SpA.

### Andrés Bello University, Santiago

aug 2010 to oct 2012

Part-time professor at the Faculty of Engineering for the courses Introduction to Programming, Operating Systems and GNU/Linux administration.

### Colectron S.A., Santiago

apr 2010 to feb 2011

Sysadmin and developer. I developed a web app for generating reports of the business and for clients. I also worked with the judicial department creating a dashboard and statuses of lawsuits. I was responsible for the whole IT infrastructure in the movement to a new headquarter, for servers and about seventy employees. Through this process I designed a new room for servers and implemented structured cabling in two floors.

### Fundo Santa Rosa, Melipilla

oct 2008 to feb 2010

Part-time system administrator and developer. I designed and implemented a wireless and wired network in a rural area in a radius of 2 km. I also created a small web app for control of the process of manufacturing chicken food. With this app, the time required for making reports decreased from 6 hours to 10 minutes. The network was used for file sharing, the web app and voice, with a server using Asterisk.

## Technical skills

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<b>Languages</b>	PHP (main experience), Javascript, Python, Perl, C, Java, Shell Script
<b>Frameworks</b>	SowerPHP (created by me)
<b>Databases</b>	PostgreSQL, MySQL / MariaDB, SQLite
<b>Service admin</b>	Apache, Nginx, Bind, DHCP, IPTables, Linux KVM, VSFTPd, Samba, NFS, Squid, Zimbra, Mailman, OpenVPN, Asterisk
<b>IT Monitoring</b>	Nagios, MRTG

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## Education

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### University of Chile, Santiago

2013 to 2015

MSc in Computer Science (GPA 6.4 in 1.0 to 7.0 scale, without thesis)

- Main courses: Theory of Computation, Operating Systems, Databases and Networking
- Teaching assistant: Operating Systems (two semesters) and Databases (one semester)

### Andrés Bello University, Santiago

2008 to 2009

Ingeniero en Redes y Comunicación de Datos, equivalent to Telecommunications Engineer (GPA 5.3 in 1.0 to 7.0 scale)

- Teaching assistant: Operating Systems (two semesters)

### University Santa María, Valparaíso

2004 to 2007

Electronic Engineering (GPA 4.7 in 1.0 to 7.0 scale, career unfinished, 36% completed)

- Sysadmin for Electronics Fair (2004 to 2007)
- Computer lab assistant (2007)

## Experience and Projects with Free Software

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My github account is <https://github.com/estebandelaf>, my major projects are:

- LibreDTE is a library for electronics invoices for the SII in Chile.
- SowerPHP: PHP framework.
- OpenNESS: frontend of nmap for scanning networks and hosts. The app can send results to a web app for creating a database with the contribution of multiple users.
- MiTeSt: web app for sharing and solving tests with multiple alternatives.
- Bind10-webapp: multiuser web app for managing DNS zones using bind10 and SQLite
- Easy Virtual Hosts: utility for configuring apache, bind9 and nginx automatically according to directories and files structure.

## Others activities

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- Reviewer of “Building a Web Application with PHP and MariaDB: A Reference Guide”, Sai Srinivas Sriparasa, Packt Publishing, UK. ISBN 978-1-78398-162-5 (2014)
- Presenter in CIPFI-USM (2006) and FLISoL (2011 and 2014)
- Summer school of electronics in University of Chile (2008). We made a project using Verilog for reading of cards with RFID (just the code)
- Chief organizer of FLISoL in Valparaíso (2006)
- Tech talks in schools, mainly about Free Software (2004 to 2006)