

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

SASCO SpA, Santiago

mar 2006 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.

Colectron S.A., Santiago

apr 2014 to present

I am in the process of unifying different systems of the company. So far I have migrated 4 of 5 initial systems to a new web app (project in stand by since may 2016). This web app is now being used by about a hundred employees. Additionally I do work as system administrator of several servers, mainly those that support the web app that I am developing.

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 have been system administrator for those servers. Currently I'm developing a web app for supporting processes that impact students and academics of the whole faculty.

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

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

Education

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

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

- 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)