# Cristhian Andrés **Vega Cortés**
## IT Engineer

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## Abstract

I'm a self-taught person who is constantly looking for learning about new technologies and how I can use them for improving proccess or systems and simplify tasks. Also I'm an independent person who can solve problems without a constant supervision.

## Work Experience

**2013 – Present**   **Technology Support Engineer - Universidad de Atacama - Chile**

**- Developer**

As a developer at Universidad de Atacama, Chile, I collaborated in the developement of an On-line Achademic Requests System for our students, This application was written using *PHP* as server side language, *MS-SQL Server* for storing data and *HTML5 + CSS3 + Javascript* for the frontend. With this new software, the time for resolving students request decreased from 15 days to 5 days.

**- Systems Administrator**

When the new faculty was created, the first task was to implement networks and services. I had to implement a firewall with linux and iptables, a proxy/cache server with squid, two Domain controllers on *Windows Server 2008*, a Web server and a captive portal connected with active directory on the Domain Controllers. The Proxy Server, Web Server, and some others were virtualized using *Xen hypervisor*. This structure allowed to control network traffic and the good use of workstations, minimizing issues for viruses and corrective maintenances.

**2012 – 2013**   **Technical Support Engineer - Holding San Carlos - Chile**

**- Developer**

While I was working for this company, I created some applications for supporting the main activities there, for example: a Workflow System, a Purchase Requests System, etc. Each application was written as modules for *e107-CMS* in *PHP*. These applications helped to take decisions faster and standardize process.

**- Systems Administrator**

On the other Hand, I had to control the network traffic and apply some restrictions for accessing to Internet. So, I implemented a little firewall on a *Linux* machine with *iptables*, a Proxy/Cache with *Squid*, for filtering content, and some monitors like *NTOP* for analizing traffic and *Calamaris* for analizing Squid's logs. Also, I defined a range of hours when workers can access to internet with out restrictions. Finally, the network traffic was optimized after that.

**2009 – 2012**   **Technical Support Engineer - Universidad del Mar - Chile**

**- Systems Administrator**
Working for this university, I had to maintain current systems and implementing a Firewall, a Domain controller and a Captive Portal. Current systems was a Proxy Cache with *SQUID* and, a web server. First, I configured a firewall with iptables on a Linux machine. The next task was to implemet a Domain controller on *Windows Server 2008*. Finally, I worked in a Captive Portal using *PFSense* and connected to the Domain Controller. This made stronger our infrastructure and minimized issues for viruses and corrective maintenances of workstations.

## Education

**INACAP**   **Informatics Engineer**
My final project was a 2D video game prototype written in *python* and using *pygame* library. This little adventure game tried to help students up to 8 years to practice basic arithmetic calculations such as adittion, substraction, multiplication and division.

## Languages

Spanish   Native

English   Writting: Beginner, Speaking: Beginner

## Courses / Certifications

World Wide Web Consortium   - Front-End Developer

- HTML5 Introduction.

- HTML5 Part 1: Coding Essentials and Best Practices.

- HTML5 Part 2: Advanced Techinques for Designing HTML5 Apps.

CodeSchool   - Shaping up with Angular.js

CodeAchademy   Angular.js

Universidad Autónoma de Madrid   Jugando con Android - Aprende a programar tu primera App *(Playing with Android, learn how to program your first App)*

Universidad Católica de Chile   Evaluación de Decisiones Estratégicas *(Evaluation of strategic decisions)*