Cristhian Andrés **Vega Cortés**

IT Engineer

in: cristhianvega – 📱: +569 5 965 7229 –
✉: cristhian.vega.cortes@gmail.com - ⬡: kernuac - ⬥: kernuac

▰ 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

2019 – Presente **Technological Support Engineer for Academic Vice Rectory - Universidad de Atacama - Chile**

I'm currently deploying a *Datawarehouse*, consolidating internal and external data sources for Universidad de Atacama *(Atacama's University)*. Also, I'm building visualizations with data from that *Datawarehouse*.
This *Datawarehouse* is running on *MYSQL*; the data is consolidated using *Python* and *Pandas* library and visualizations are created using *Power-Bi*.

2013 – 2019 **Technological Support Engineer - Universidad de Atacama - Chile**

- Developer

As a developer at Universidad de Atacama, Chile, I collaborated in the develompment 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)*