

**Pablo Averbuj**

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*AIM:* PAverbuj

**Professional Objective**

To have a job I love, working with smart people from whom I can continue learning.

**Experience**

*Programming Languages:* Java, C, Perl, Ruby/Rails, PHP, Shell.

*Development Environments:* CVS, Subversion, Git.

*Operating Systems:* Windows Server 2000/2003/2008, Linux, Mac OS X, FreeBSD.

*Databases:* Postgres, MySQL, Oracle.

**Employment History****Enterprise Architect**

*Neustar, Inc. (<http://www.neustar.biz/>)*

*March 2010–Present*

The Business Services Architecture & Planning team sets technical direction and oversight with respect to Enterprise Systems which includes: corporate email (MS Exchange), ERP (PeopleSoft), CRM (Salesforce, Siebel), and other non-product IT initiatives.

*Projects:*

- Designed and oversaw development (also participated) for EDL (Enterprise Data Layer) to support the business requirement of reconciling our customer base across business units. This required discovering within each business unit their systems of record, jointly designing data transfer processes and then mapping those customers together via address (and manual stewardship). The system enables executives to see, for a given customer, by leveraging the mappings of sub-account IDs to a single customer entity in conjunction with the data warehouse.
- Took ownership of struggling portal redesign project and drove the project from high-level product requirements to low-level design. Worked with product, creative, and engineering teams to shepherd the project back on track. As a result was further assigned to leadership role in the design of a common web platform for the majority of the company. The platform scope includes authentication/single sign-on, web platform and CMS, SOA infrastructure, and integration with enterprise systems (PeopleSoft, Salesforce.com, Data Warehouse/OBIEE).

**Principal Engineer**

*Comcast Corporation (<http://www.comcast.com/>)*

*November 2008–March 2010*

The Core Infrastructure team is responsible for developing, deploying, and maintaining systems supporting to the corporate infrastructure operation systems. Responsibilities of the team include tooling for datacenter operations, security operations, network operations, video systems, mail systems (customer-facing), and VOIP systems.

*Projects:*

- Independently designed and built CADA (Comcast Authentication and Delegated Access) system on behalf of systems security and network security teams. This project converged and enhanced two separate existing authentication systems and replaced them with a standard-based cross-platform environment. The system leveraged Java, Ruby on Rails, and Thrift technologies to support the authentication environment consisting of OpenLDAP, RSA Server, and Radius.
- Researched and evaluated Workflow and ITSM solution providers. The business asked me to select the best solution to power our datacenter deployments and streamline coordination between network, software, hardware, cabling, and power teams. I selected various candidates based on Gartner analysis of the space, obtain evaluation copies, implemented litmus workflows and recommended a solution that best suit the business needs.
- Developed low overhead system discovery solution to facilitate inventory and asset reconciliation. The solution consisted of a small Python program to be installed on our base image that would periodically (daily) connect to a central server and report basic information (hostname, ip, OS version, MAC address). The tool supported Linux and Solaris. This allowed us to reconcile what we had in our monitoring tools vs. what was actually deployed and detect unmonitored systems early.

### **Operations Architect**

*AOL, LLC [Video Technologies] (<http://video.aol.com/>)  
December 2006–October 2008*

The AOL Video team is currently responsible for all video support within AOL properties in addition to the video.aol.com portal. This includes providing streaming services to CNN for live and on-demand streaming media, storage of video files, player design and optimization, encoding and transcoding, and partner support. As an architect I am responsible for all operation decisions and development decisions concerning the portal, internationalization, video APIs, playback, ingestion and content management.

#### *Projects:*

- Oversaw the technical design, implementation, and execution for connecting Sony Bravia Video Internet Link (BVIL) televisions with AOL video assets by way of an application to bridge the proprietary Sony protocol with the AOL protocol.
- Designed and in the process of executing international strategy to support local versions of the video.aol.com portal in many countries by end of 2007 with a focus on performance. This is harder than it sounds due to the size and complexity of the video project.
- Lead contributor of the redesign/rewrite of the AOL Video APIs in order to bring them in line with standard practices in the industry and consequently open the APIs for public consumption.
- Managing the technical architecture and project interdependencies of rewriting the AOL Video portal, merging in the AOL Programming video experiences, rewriting the Video APIs, outsourcing video ingestion and content management backend, and decommissioning shuttered initiatives (p2p distribution, e-commerce).

### **Sr. Systems Programmer**

*AOL, LLC [Internet Operations] (<http://www.aol.com/>)  
December 2003–December 2006*

The team called Internet Operations Infrastructure is group dedicated to writing the tools that helped our (internal) customers reduce costs and overhead by automating administrative tasks, monitoring for abnormal conditions, and collecting performance metrics for tuning and reporting. Our tools were running directly on 6000+ systems throughout the world.

#### *Projects:*

- Traffic load balancing system using BGP, Edgescape, and resource utilization data (patent filed)
- ATDN network traffic analysis using BGP, SNMP and Netflow data
- As part of the project mentioned above, I wrote a Linux kernel/iptables module to implement RFC 2385 ('Protection of BGP Sessions via the TCP MD5 Signature Option')

### **Software Engineer**

*Capitol Advantage (<http://www.capwiz.com/>)  
June 2003–December 2003*

Capitol Advantage provides organizations with tools to empower their members to communicate with their government representatives about the issues that affect them.

#### *Projects:*

- Design backend of mail engine to mail members of organization

### **Senior Software Engineer**

*PresenceWorks (defunct)  
April 2000–June 2003*

PresenceWorks sold and supported systems for gathering Instant Messaging online presence enabling companies to integrate this information into existing business applications such as CRM, ERP, web sites, and web applications.

#### *Projects:*

- Led a group of engineers who designed and maintained company's main product for Unix platform (an instant messaging presence server) which featured enterprise-quality features such as: load balancing, clustering, failure detection with various resolutions (retry, restart, failover), and administrative alerts
- Set overall engineering goals and priorities
- Ported main product to Windows 2000 platform
- Developed and deployed main product as a .NET web service
- Wrote modular back ends to main product to support various databases and repositories (SQL and LDAP)
- Developed applications to showcase abilities of main product using Apache and mod\_perl
- Interfaced with counterparts at instant messaging divisions of AOL/Microsoft/Yahoo

- Responsible for maintenance of the IT infrastructure which consisted of a cluster of Linux and FreeBSD servers running Apache, sendmail, bind, MySQL, ssh
- Deployed application to monitor all systems and e-mail/page administrators with trouble tickets
- Communicated with customers in pre-sales and post-sales environments in conferences calls and in person
- Designed demonstrations for pre-sale activities
- Worked on-site at customer locations to architect and deploy PresenceWorks technologies
- Developed various auxiliary applications to demonstrate various uses for products

### **Senior Developer**

*Valueweb (<http://www.valueweb.net/>)*

*January 1997–March 2000*

ValueWeb (since acquired by Affinity Internet) is one of the largest web-hosting providers in the country.

#### *Projects:*

- Developed procedures and style guides for coding and QA
- Lead project to completely overhaul and automate back-end provisioning
- Responsible for coordinating efforts of other developers and designing/approving implementations for infrastructure and applications
- Implemented load balancing for shared hosting and mail servers on AIX
- Designed web applications in C/Perl for webhosting control panel

### **Other Information**

Speak Spanish fluently (including translation).

Debian Developer (a Linux distribution) <http://www.debian.org/>.

### **References**

*Scott Levine*

Vice President, America Online (AOL Video)

AIM: sjlevine

*David Habib*

Vice President, America Online (Media Technologies, WinAmp)

AIM: habibd

*Matt Smith*

Ex-CEO, PresenceWorks

Work Phone: 703-967-7279

AIM: MattSmithV

### **Hobbies/Interests**

- Photography
- Geocaching
- Billiards

Last modified June 2011.

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