

Andrew De Ponte

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Experience

Senior Software Engineer, Ripple/TargetCast Networks Inc.

November 2008 to September 2009 to Current, El Segundo, CA - Digital Out of Home Network

Maintained and expanded a number of public facing and internal Merb/Rails/PHP web tools/services that utilized MySQL/Sqlite for storage. These include but are not limited to AdSpot, CPanel, Partner Screenshots, RTM, Inventory W/S, and the Billing W/S. I also maintained the backend services that manage scheduling and content distribution to the RDUs as well as metrics and reporting. Beyond that I maintained the RDU software which communicates with the backend services and plays the actual content and ads on the screen. I also added database change tracking to the ActiveRecord module and documented the Git work flow and usage policy for engineering. Beyond that I developed a tool to convert SVN repositories to Git repositories, migrated the Engineering team to Git from SVN and assisted in building a new Debian based RDU OS.

Further more I trained new engineers on the Ripple platform, development policies, workflow, and best practices. I also developed a WebKit based RESTful web service to render JavaScript API's to still images and created a sigalert.com traffic component to use it. Additionally I trained new Sys Admins on the existing platform and overall network architecture. Beyond that I setup the design teams testing environments and trained them on how to book Content, Ads, etc. I also integrated the Ripple platform into Salesforce via PHP and the Salesforce SOAP API. Other than that I performed general maintenance and improved the Ripple platform and its integration with our other systems.

Lead Software Engineer, Pliq LLC

May 2008 to November 2008, Los Angeles, CA - Mobile Phone Advertising

Architected, built, and maintained a Python based multi- threaded SMS Campaign Platform using MySQL. I also designed and built an ultra light weight WAP site web framework that integrated with Wapple.net allowing fully customized dynamic sites to be easily created using CSS, XHTML, WAPL, and any programming language.

Member of Technical Staff, The Aerospace Corp.

2000 to 2006, El Segundo, CA - Network Security Support for NSA, DOD, US Air Force, etc.

Where I got started with my original passion, research and software development in the area of Computer and Network Security. While there I architected & developed Distributed P2P Security Layers, Network Recon Tools, Intrusion Deflection Systems and Internal Exploit DBs. Beyond that I researched exploit implementation and the use of intrusion detection systems as a sensor based network.

Publications

An Automated Reliable Backup Solution.

January 1st, 2007, Linux Journal Magazine.

Document available at <http://www.linuxjournal.com/article/9174>

Education

Humboldt State University

Bachelor of Science, Computer Science, May 2008

Skills

Web Technologies

Ajax

Django

XHTML / CSS

Sproutcore

Java Script

Merb

Rails

Languages

C / C++

Ruby

Python

Java Script

PHP

Perl

Operating Systems

SuSE

Mac OS X

Debian / Ubuntu

Fedora Core / Red Hat

Windows / DOS

OpenBSD

CentOS

Source Control

Git / Mercurial

Subversion / CVS

Databases

MySQL

PostgreSQL

SQLite

Shell Scripting

bash / tcsh

csh / sh / zsh

Colophon

Gill Sans

Et Cetera

Check out my projects and general thoughts at my site <http://andrewdeponete.com>