Andrew De Ponte   @cyphactor on GitHub

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562.537.0339

Experience

Lead Software Engineer, RealPractice Inc.
July 2010 to Present, Santa Ana, CA - Small Business SaaS Platform

Lead team of software developers in architecting, building and maintaining the ReplyWise SaaS platform, a Ruby on Rails application backed by MySQL, Redis, Solr, and a number of other technologies. Lead team in architecting a number of core ReplyWise components; Website Builder, Practice Management, Lead Processing and Notifications. Performed normal developer duties; implementing features, maintaining services, isolating and resolving bugs, performing peer reviews and pair programming. Developed and evolved the teams Git based workflow based on years of experience in Git as well as using various development workflows. Trained the team in Git and our Git workflow. Lead the team in researching and testing numerous wiki and ticketing system to identify one that would help keep the team organized and moving. Built numerous jQuery plugins to ease the development/maintenance of the platform. Architected and built a REST-API for use by our iPhone application.

Architected and built a dynamic multi-branch CI server (Octopus-CI) which plays an integral role in our Continuous Delivery strategy. Architected and built a tagging library (Tagalong) for use in the ReplyWise platform. Built a Sublime Text 2 guard plugin (sublime_guard) to facilitate with the teams adoption of heavy testing. Performed an important role in bringing Continuous Delivery to RealPractice. Lead the team in adopting BDD and TDD as an integral part of our development workflow. This required educating our developers on not only the tools and their syntax but also on a new way of thinking about software development and how to use the tools (Cucumber, RSpec, FactoryGirl, Capybara, CapybaraWebkit, etc.). Pushed hard to keep from falling behind in technology or times. Co-founded the OC Rails group to exchange knowledge with the Ruby on Rails community as well as expose the Rails community to RealPractice and RealPractice to the Rails community. Setup our Capistrano deployments and our distributed testing environment.

Senior Software Engineer, Ripple/TargetCast Networks Inc.
November 2008 to September 2009 to July 2010, 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 WS, and the Billing WS. 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.

Skills

Web Technologies
Ajax
Django
HTML / CSS
Backbone.js
Sproutcore / Ember.js
Java Script / jQuery
Ruby on Rails / Merb

Testing
BDD / TDD
RSpec / Cucumber
Factory Girl / Capybara

Languages
Ruby
Python
Java Script
C / C++
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
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Experience

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

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Mac OS X
Debian / Ubuntu
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