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Objective

Motivated engineer with a strong consulting skill set. Particularly interested in team leadership opportunities where open source technologies are the tools of choice.

Professional experience

February 2011 – present, Cantina, Principal Consultant

2015, Pearson Education, Technical Architect

- Angular.js implementation of dynamic accounting learning exercises
- Performance optimizations of legacy Python / Django backend

2014, Reel The App, Technical Architect

- Elastic scaling (AWS) of EvoStream RTMP server for burstable P2P video platform
- Heavy customization of FFmpeg for iOS A/V capture and OpenH264 codec
- PubNub realtime messaging and presence integration from iOS and Node.js
- iOS 8, Node.js + MongoDB, PubNub, EvoStream, FFmpeg, AWS

2014, Rue La La, Technical Lead

- Micro-services architecture using DDD for disruptive e-commerce venture
- Node.js and Java services communicating over clustered, durable RabbitMQ
- Spring 4 MVC, Spring 4 Data with MongoDB
- Node.js + Phantom.js pluggable framework for scraping e-commerce sites

2013, Brightcove, Technical Architect

- Reference implementation of TV Everywhere for Brightcove iOS SDK
- Built API extensions for BCiOSSDK to be absorbed by Brightcove iOS team
- Produced sample application demonstrating TV Everywhere via Adobe Pass
- iOS 6, Adobe Pass iOS SDK, Brightcove iOS SDK, Brightcove Media API

2012, Vista Higher Learning, Technical Architect

- Designed, implemented and deployed realtime video chat application for LMS
- Provided deep customization of OpenFire XMPP server for platform integration
- Architected deployment of scalable application stack to Amazon EC2
- OpenFire, Punjab, Strophe.js, Wowza Media Server, FFmpeg, ActionScript

August 2010 – February 2011, Hachette Book Group USA, Technical Lead

- Bootstrapped, coordinated and led the development of HBG's mobile initiatives
- Designed and implemented a content syndication platform for mobile applications
- On-boarded and managed a distributed team, applying agile methodology

- CMS, Profile management, E-Commerce (iTunes, PayPal), Push Notifications
- Python + Django, Lighttpd, Memcached, MySQL

January 2010 – August 2010, Optaros Inc., Technical Lead

2010, Puma, Technical Lead

- Proposal, design, and implementation for marketing-centric product API
- Led a team of 3 technical developers and 2 user experience developers
- Deep customization of embedded Apache Solr using Spring MVC
- Groovy on Grails, Spring 3.0, Apache Solr, Jackson, MySQL

January 2007 – January 2010, Optaros Inc., Senior Developer

2009, Massachusetts Convention Center Authority, Senior Developer

- Performance tuning and production support for event management system
- Spring, Hibernate, Mule, Google Web Toolkit, MS SQL Server

2009, Alere, Technical Lead

- Design and implementation of public health & wellness portal
- Alfresco, Oracle Web Center, Spring, Apache Solr, Memcached, Oracle 11g

2008, In-Q-Tel, Senior Developer

- Design and implementation of intranet portal for venture capitol firm
- Liferay, SugarCRM, Spring, Endeca, MySQL

2008, The Washington Times, Senior Developer

- Design and implementation of primary web presence, washingtontimes.com
- Django, Apache Solr, memcached, PostgreSQL

2007, n2N Commerce / The Limited Brands, Developer

- Implementation and quality assurance of multi-channel e-commerce platform
- Spring, Hibernate, Apache Solr, Demandware, Oracle 10g Open source involvement

Open Source Involvement

January 2007 - present, Quetoo.org, Project Lead

Quetoo is a first-person shooter (FPS) video game based on id Software's Quake series. The game is in beta and has a vibrant community following as well as a dedicated yet geographically distributed team. As the project founder and lead, my involvement spans architecture and development, artwork and game design, project infrastructure, and recruiting and team coordination.

May 2004 - January 2007, The CRUX Project, Core Maintainer

CRUX is a lightweight, i686-optimized Linux distribution targeted at experienced Linux users. I joined the CRUX project as a maintainer in 2004, becoming a core maintainer later that year. I maintained numerous ports of essential software packages, and developed the

distributed package management application *Pkgsync*. I also hosted CruxCon in 2005 in Boston.

Education

1998-2002, BS, Computer Science, University of Massachusetts, Dartmouth