Ramesh Sen

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Skills

I have professional experience with numerous programming languages including Scala, Ruby, Perl, PHP, Javascript, Python, SQL, and bash. I have also used many systems and platforms such as Oracle, MySQL, Postgres, Apache, nginx, Play, Akka, Linux, OS X, Windows, FreeBSD, MongoDB, Hadoop, Spark, Kafka, memcached, Riak, redis, TokyoTyrant, kestrel, OpenSSL, ssh, OpenLDAP, svn, git, and Jira, as well as AWS services like Kinesis, SQS, EC2, EMR, and S3.

Work experience

Tapjoy (2013 – present)

I currently work at Tapjoy, a leading monetization platform for mobile app developers. My time here has been spent working on our publisher platform, which consists of the APIs for interaction with apps, as well as services and dashboards for configuration and reporting. My primary responsibility has been our reporting infrastructure, which I have rebuilt from a system using SQS and ruby to one using Kinesis/Kafka and Spark Streaming. I also work on various internal and external APIs using Rails, Sinatra, and Play.

Independent Consultant (2013)

After wrapping up my involvement in Eddgy I spent some time working as consultant, with my primary client being a startup in the digital music space. I worked all over the stack, from using Ruby on Rails with MongoDB and MySQL on the backend to Backbone with Marionette and Isotope on the frontend.

Eddgy (2012 – 2013)

In 2012 I co-founded Eddgy, a startup working to increase student motivation via rewards. As a founder I have performed a wide variety of tasks, ranging from architechting systems to creating product roadmaps to pitching potential investors. Our backend is 100% Scala, using Scalatra and Spray for web services and MongoDB as our primary data store.

Ioda (2011 – 2012)

Prior to Eddgy I worked at IODA, a leading distributor of digital music for independent labels. I started off working on our internal API platform, adding over a dozen new calls and streamlining the framework to reduce the amount of boilerplate by leveraging the power of Devel::Declare. After that, I worked on our system for delivering music to services, maintaining a 100k line codebase and integrating with new partners

such as Google Music. Finally, I helped modernize our architecture by rewriting legacy code with, designing new systems in, and helping other team members learn technologies such as Scala, MongoDB, and Hadoop.

FreeCause (2009 – 2011)

I joined FreeCause (a subsidiary of Rakuten USA), an online loyalty platform, as a developer in October 2009. My first major project was designing and implementing a rules engine for displaying merchants, products, and deals in rewards shopping malls. Later, I selected and introduced TokyoTyrant as a solution for storing on-demand user data, helped revamp our reporting infrastructure using Kestrel, and rewrote our search platform using Moose. I also helped launch and support clients using our services, working with many 3rd-party APIs and diagnosing complex problems in our production environment.

Independent Consultant (2008 – 2009)

After leaving Ztail, I worked as a technical consultant, contributing my experience to the development of web applications for a number of companies. During this time, I worked on an affiliate marketing system, a search engine for online discounts, and a document sharing service for college students. I worked with PHP, MySQL, and Javascript running on Linux for these clients, and assisted in the selection and configuration of production servers in many cases.

Ztail (2006 - 2008)

I was an early employee at Ztail, a company dedicated to simplifying the process of selling online. As a lead developer, I designed and developed our internal APIs using mod_perl, much of the MySQL data model, and interfaces to our partners (mostly XML and SOAP-based). I also wrote significant portions of the front-end in PHP and Javascript, including an AJAX-based login over HTTPS. Finally, I played a major role in defining new product features, from brainstorming concepts to researching their viability to developing prototypes and writing specifications.

BitPass (2005 - 2006)

I worked as a Professional Services Engineer at BitPass, an online payments company, from September 2005 until September 2006. My primary responsibility was to assist customers with implementation and ongoing maintainance and technical support issues. I was also frequently called upon as a technical resource during the sales process, performed QA on major releases and worked with engineering and product management to define new features. During my time there, we launched many new customers selling digital content ranging from games to movies to tickets using most major web technologies: J2EE, perl, PHP, and .NET.

Efficient Frontier (2004 - 2005)

Prior to my time at BitPass, I worked as a Senior Operations Engineer at Efficient

Frontier, a search marketing startup, from October 2004 to Spetember 2005. In this role, I worked with customers to integrate their conversion data with our systems and verify that our data is synchronized on an ongoing basis. I also maintained our production servers, ensuring that our application is performing correctly and optimally. Finally, I was involved in other areas such as hardware purchasing, OS configuration, and general systems and network administration.

Yahoo! (2002)

I worked as a Technical Yahoo for Yahoo Enterprise Services from April to December 2002, writing perl and shell scripts to monitor web, messaging, and other enterprise-class services. I also developed scripts and modules in perl to retrieve data from a MySQL database and store it in both XML and DB files for use in a SOAP application. Lastly, I configured and installed software on servers in preparation for deployment in a production environment, and helped to document and automate the release process for our primary application.

NOCpulse (2000 - 2001)

Before joining Yahoo!, I worked as a Software Engineer on the NOCpulse Command Center from August 2000 to November 2001. My primary duty was to write perl modules to facilitate the monitoring of a wide array of applications using methodologies such as SNMP, Windows Performance Monitor, and command line utilities.

Digitas (1996 - 2000)

In my first job at Digitas, I worked on many high profile web sites, including Pontiac, GMC, L.L. Bean, American Express, Digitas.com, Kraft Foods, Johnson & Johnson, and IBM. During my tenure, I assumed a leading technical role on several projects, including Pontiac Racing and Digitas.com. My first significant achievement was designing and developing an e-commerce system in Lotus Notes/Domino, one of the first such applications built with Notes.

Education

I earned my B.A. in mathematics from UC Santa Barbara in June 2004. Previously, I attended Oberlin College from 1998 to 1999, and took several computer science courses using languages such as Java and Scheme.