Jason Wieland

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Objective

Work with a brilliant team solving today's challenging problems.

Work Experience

- **Websense Security Labs** — San Diego, CA
  Senior Software Engineer — *November 2008 - Current*
  - Android Security Application
    * Managed overall technology architecture and application development
    * Features include MDM (Mobile Device Management), Application Security (Malicious apps scanning), Web Protection
    * Java/Eclipse frontend, Perl/Web Service backend
    * Self-terminating VPN + proxy packet rewrite for web security and DLP (Data Loss Protection)
  - Threat Seeker Cloud API
    * Principle developer and architect
    * Redundant and horizontal scalable restful web service
    * Nginx + perl (fastcgi/plack), CDB data backend, geo balanced DNS
    * Deployed across 6 global data centers 4 (self hosted), 2 (managed - AWS)
    * Handles 2 billion requests per day, peaking at 35,000 requests per second
  - Threat Seeker Cloud Analytics
    * Designed and built a Hadoop cluster (Cloudera) to handle Big Data challenges
    * Scribe for data transport, perl for data management, java/hadoop (streaming) for map/reduce
    * 40 TB of usable storage, processing 500 GB of logs/day

- **notify.me** — San Diego, CA
  Founder — *February 2008 - September 2010*
  - Web Service to manage delivery of near-realtime notifications
  - Managed a small team of developers and lead business development
  - Website built with Perl/Catalyst, postgres DB, C# XMPP notification engine
  - At peak supported 20,000 daily users with 150k emails, 25k sms, 350k IM

- **Tricord Enterprise** — San Diego, CA
  Consultant — *June 2005 - January 2008*
  - Intercasting Corporation
    * Mobile social networking application for feature phones - Rabble
    * Developed backend web service API to bridge communications from external social network and mobile carriers
  - Vmix Media
    * Online video publishing and distribution - www.vmix.com
    * Built out video acquisition and encoding and media content delivery
  - Continued Education
    * Online Driving School -www.idrivesafely.com
    * Developed internal content management system and customer web courses

- **Full Motion Racing** — San Diego, CA
  Co-Founder — *January 2006 - September 2007*
  - Integrated true physics driving simulators into Force Dynamics 3D motion simulators
  - Video more powerful than words :) http://youtu.be/Zh-KQcfyzE8

- **Mission Bay Vacation Rentals** San Diego, CA
  Co-Founder *July 2003 - Current*
    - Built a web based vacation rental business in San Diego
    - Revenues of 1.3 million for 2011 with 30 percent year over year growth
- **Vivendi Universal** San Diego, CA
  Senior Software Engineer *January 2003 - December 2003*
    - Implemented Universal WAV service, content distribution of UMG's music library
    - Ripped each CD to wav format and system would transcoded music file
- **MP3.com** San Diego, CA
  Software Engineer *July 1999 - January 2003*
    - Started as a software engineer developing content administration tools
    - ModPerl running with Apache prefork, mysql, custom templating engine
    - Promoted to manager in February 2001 and led a team of 5 engineers

Skills

Languages: Perl, JavaScript, SQL, Node.js, Ruby/Python/PHP (some), Java (Hadoop/Android)

Web Frameworks: Dancer, Catalyst, Mojo, Plack, Express, Rails, jQuery, Backbone,

Technologies: LAMP, MySQL, Postgres, Hadoop (Cloudera), MongoDB, Redis

Operating Systems: Linux - RHEL (Centos), Fedora, Ubuntu

Web Security: Signature based processing, javascript de-obfuscation, Domain name reputation analytics

Education

- **University Of California San Diego** San Diego, CA
  Bachelor of Science in Mechnical Engineering *August 1995 - September 2002*
    - Full Scholarship (1996-1999) through a work program with SAIC
    - Member of the UCSD's CalSpace team designing NEAP (Near Earth Asteroid Program) worked at NASA Ames
    - 3 year sabbatical to concentrate on mp3.com career
    - Graduated with an emphasis on software application in aeronautical engineering

Open Source Projects

Perl interface to Embed.ly web service API `https://metacpan.org/module/WebService::Embedly`

Pure javascript flash card math application `https://github.com/jwieland/justflashcards`