Jared M Sohn

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**SUMMARY**

* Generalist software engineer
* Author of Google Chrome Tab Muting API
* Early engineer at a startup from Series A past acquisition
* ACM programming competition contestant in college

**SKILLS**

* Professional experience in JavaScript, Ruby, Python, C#, C++, Java
* Web backend: Frameworks: {node.js, Ruby on Rails}, DB: {Postgres, MongoDB, Memcached, Firebase, home-grown NOSQL}, Web server: {nginx, Apache}; PaaS: Heroku
* Web frontend: promises, ReactJS, Flux, webpack, HTML5, CSS3, Bootstrap, mutation observers, Mocha, Chrome extensions, isomorphic code
* Networking: sockets (C#, C, Java), WebSockets (C#, JS), packet sniffing
* Misc: design patterns, git, code generation, multithreading, desktop UI, timezones

**WORK EXPERIENCE**

**Freelancing (various)**

**Full-stack Software Engineer**, remote. August 2016-Present.

Built a Ruby port of a universal API that supports many services, a Chrome extension to track browser activity, a portal frontend for managing teams and integration, scripts to update image paths, and improving a backend's integration with Shopify and BigCommerce storefronts. JS, Ruby, Rails, IronWorker, Postgres, MongoDB, HTML5, CSS3, OAuth2 clients (FE and BE).

**Flexport**

**Software Engineer**, San Francisco, December 2015-July 2016.

Helped build a platform for global trade. Added timezones support and built two factor authentication. JS, ReactJS, Ruby, Rails, Postgres, git, webpack.

**Lifehacker (Gawker Media)**

**Developer**, remote, May 2014-December 2015.

Built a Chrome extension for Lifehacker's readership that adds 20+ features to Netflix including hiding spoilers, showing ratings from Rotten Tomatoes, adding keyboard controls, and filtering content. JS, Q, ReactJS, Chrome extension API, Python, browserify, MochaJS, CSS.

**mute.fm**

**Founder**, San Francisco, CA, October 2011-November 2013.

Created desktop software that mutes background music when watching videos. Updated MuteTab side project, contracted, and hit major personal goals. C#, JS.

**Quest Software (formerly PacketTrap Networks)**

**Senior Software Engineer,** San Francisco, CA, August 2007 – October 2011.

Part of small engineering team at network management company from early stage startup past acquisition. Created customizable reporting/dashboard/web service frameworks for serialized non-relational (i.e. NOSQL) data, heterogeneous router telnet/SSH framework, automatic build system/installers, branding, syslog server. Added content for monitoring, alert conditions, tunneling integration. Also sole release engineer. C#, ASP.NET, svn.

**BitTorrent, Inc. and other companies**

**Contractor**, 2004-2007.

Projects include building a blacklisting web service, plug-ins for After Effects and Photoshop, an internal alert management system, and a UI for building AI scenarios. Python, C++, Java, C#.

**NASA (contracting via AMA, Inc.)**

**Programmer/Analyst**, Hampton, VA, Aug 2002–March 2004.

Wrote tools to help NASA automate the analysis of space shuttle designs. Java, JS, XML.

**University of Wisconsin - Extension**

**Programmer**, Madison, WI, 1999–2002.

Wrote software to generate spreadsheets and charts to analyze a Wisconsin tax dataset. Validated data. One of two part time jobs during college.

**JSM Tele-Page Inc**

**Programmer**, Sheboygan Falls, WI, 1991–2001.

Developed tools to help run my parents' paging company during middle school/high school/college. Created a shrink-wrap program to send messages to pagers via modem, network, e-mail, and web and a pager invoicing system. Worked in same domain/codebase for ten years.

**SIDE, ACADEMIC, AND OPEN SOURCE PROJECTS**

* **Chrome Tab Muting API**. Wrote a proposal and built an API that allows Chrome extensions to read/set (where relevant) tabs' audible and muted states. C++/JS.
* **MuteTab Chrome Extension**. Helps find noisy tabs. 500,000 installs. Featured on Reddit, TechCrunch, Slashdot, Lifehacker, etc. [mutetab.com](http://mutetab.com) JS, Chrome extension
* **Content-Based Routing.** Developed infrastructure to efficiently route streaming data from publishers to subscribers. Used Berkeley sockets, UDP, TCP, pthreads, C++.
* **Graphics projects**. Created a motion capture viewer, flocking plug-in for Maya, and script-based image editor. Written in C++, OpenGL, FLTK.
* **Film plug-in.** Created extended channel film plug-in for Stanford’s Physically-Based Ray Tracer. Linked to from PBRT's site. C++.

**EDUCATION**

* University of Wisconsin-Madison. Work toward Masters in Computer Science as Special Student (3 of 8 classes). Spring 2002, Spring 2005. GPA: 3.67/4.0.
* University of Wisconsin-Madison. Bachelor of Science in Computer Science, Mathematics. August 1997 - December 2001. GPA 3.6 in CS.