

# Matt Jibson

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## Work Experience

Dec 2015-present	<b>Cockroach Labs</b> Developer. <i>go, sql</i> Found hundreds of bugs in CockroachDB using <a href="#">SQLsmith</a> and other randomized testing. Features for CockroachDB including driver protocol, SQL functions, distributed CSV import. Maintainer of <a href="#">lib/pq</a> , a Go Postgres client driver.
July 2015-Nov 2015	<b>CoreOS</b> Developer. <i>go, python, kubernetes, docker</i> Features and maintenance for Quay.io.
March 2012-July 2015	<b>Stack Overflow</b> Developer. <i>go, c#, javascript, sql-server, angularjs</i> Features and maintenance for Stack Overflow Careers. Internal applications for the SRE team. Primary author of <a href="#">Bosun</a> , a Go-based monitoring and alerting system.
June 2011-March 2012	<b>Seagate Technology</b> Senior Engineer. <i>python, mysql</i> Wrote and maintained various custom tools and web apps to address or discover internal issues and problems.
2000-2015	<b>US Geological Survey</b> Consultant. <i>java, sql</i> Worked with a scientist to implement algorithms in usable programs. Various implementations written in C++, Java, PHP, SQL.

## Selected Software Development

### [sequel fumpt](#)

SQL formatter with algorithmic line breaking.

### [hots.dog](#)

Heroes of the Storm statistics aggregator in Go, Kubernetes, CockroachDB, ReactJS.

### [moggio](#)

Audio player in Go that can play various kinds of music (wav, mp3, flac, vorbis, nintendo sound files) from different sources (google drive, dropbox, soundcloud, bandcamp, shoutcast, local machine) and works the same on popular OSs (Linux, Mac, Windows).

### [goread](#)

Open-source RSS reader in Go, on App Engine with AngularJS. Was profitable, with hundreds of paying users.

## Education

2009	<b>M.S., Electrical Engineering</b> <i>Colorado State University.</i> TA for EE451 (Digital System Design) and EE571 (VLSI System Design).
2007	<b>B.S., Computer Engineering</b> <i>Colorado State University.</i> Second place at E-days competition for our pipe/electronic organ. I conceived and led the project. I taught myself Verilog, programmed the FPGA, and <a href="#">wrote a paper</a> on a new method for synthesizing organ sounds.
2007	<b>B.M., Piano Performance</b> <i>Colorado State University.</i> Wendel Diebel award for musicianship. Also learned quite a bit of organ.