

Ian Epperson

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Senior software engineer with 20 years of experience in management, web programming, and home automation is seeking an opportunity to work with a great team on exciting projects.

Skills

- Capable engineering manager, yet very comfortable performing individual contributor work as well.
- Adept at Javascript (Node.js) and Python, with Typescript, C#, Ruby, SQL, PHP, Go, Perl and C experience.
- Worked with various frameworks, including Django, React, Ruby-on-Rails, Pyramid, Flask and more.
- Experienced with MySQL, Redshift, MongoDB, CouchDB and PostgreSQL. (Curious about Neo4J.)
- Broad skills in different control systems - Crestron, AMX, Control4 (including DriverWorks / Lua programming), RTI, Elan and others.
- Capable network engineer (prior CCNA certification) with Unix experience
- Co-inventor on three patents: [video-touch interface](#), [music transitions](#), and [child remote](#).

Experience

Qwil - San Francisco, CA

January 2019 - February 2020

Director of Engineering / Staff Software Engineer

Initially hired as an individual contributor where I worked on the growth team to provide required features for new partnerships. Promoted to Director of Engineering to accelerate development and focus all teams on faster delivery.

- As Director, successfully introduced new patterns for delivering value; features that had been taking 3-5 weeks were complete in 3-5 days while increasing developer happiness.
- Managed 15 direct reports.
- As an Engineer, updated the "asset tape" API to add required features and improve speed. Brought API response time down from 30 seconds to 0.8 seconds which salvaged a critical partnership.
- Added multi-tenancy to the API to allow API-only clients to white-list Qwil's services.

Prezi - San Francisco, CA

October 2017 - October 2018

Senior Software Engineer

Worked with the "Bay Bridge" team to support Sales and Marketing. Supported apps and pages that see millions of views per day.

- Wrote several CMS plugins to allow the marketing team to quickly deploy custom pages.
- Built API for the Prezi transcript service which radically improved SEO.
- Introduced code coverage tools to the organization.
- Chartered a Prezi Toastmasters club to improve staff presentation skills.

MotionLoft - San Francisco, CA

May 2017 - September 2017

Senior Software Engineer

Brought Agile concepts to a small team to improve efficiency and predictability of the web development process. Redesigned and rewrote the storage backend infrastructure to use Redshift for radically improved stability and much faster query response times.

Townsquared - San Francisco, CA

Experience

(continued)

November 2015 - March 2017

Senior Software Engineer

Led the team that was responsible for member retention (the "Keepers" team). Added features while cleaning up technical debt across a micro-services architecture that included Ruby-on-Rails, Node.js and Python using MySQL, MongoDB and PostgreSQL databases. Managed a team of 4 engineers for several months.

- Updated new user DB addition to go from 2 minutes per user to less than a second.
- Rewrote the Node.js "emails-app" to make it maintainable and to eliminate serious bugs. Productivity within the app went from 2 weeks for a medium change to 1-2 days for all engineers.
- Built out the local development Vagrant environment which allowed new engineers to be productive within a day.
- Added automated testing and automated code coverage reports.

From the time I left the US Navy until 2015, I worked for various home automation companies before moving into web development.

Jetson Systems - Owned by Engineered Environments, then sold to Grassy Creek, LLC

April 2010 - October 2015 : *Software Engineering Team Lead*

Led the team that programs and maintains smart home installations at the Grassy Creek properties.

Kaleidescape, Inc. - Sunnyvale, CA

August 2004 - February 2010 : *Senior Software Engineer*

Managed control system partner relationships, wrote product API and wrote control system libraries with associated documentation.

Axiom Design, Inc. - Pleasanton, CA

June 1999 - August 2004 : *Senior Technologist*

Designed and programmed large home integrated systems for design/programming firm.

Monterey Bay Aquarium - Monterey, CA

December 1999 - present (periodic) : *Contractor - Control Systems Expert*

Program and maintain the control system for several exhibits including the main auditorium.

Thorburn Associates - Castro Valley, CA

February 1997 - June 1999 : *Embedded Systems Programmer*

Programmed commercial controls systems and maintained the IT infrastructure at the office.

US Navy - USS John S McCain (Destroyer DDG-56)

February 1994 - February 1997 : *Electronic Warfare Petty Officer*

Guarded against missiles while detecting other ships and aircraft. Deployed for Operation Desert Storm.

Other Interests

- Air-cooled Volkswagens
- Toastmasters / Public Speaking
- BurningMan art projects
- Camping and snow sports
- Soccer (previous youth coach)