

Ian Epperson

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Senior software engineer with 15 years of experience in web programming and home automation is seeking an opportunity to work with a great team on exciting projects.

Skills

- Adept Javascript (Node.js) and Python programmer, with C#, Ruby, SQL, PHP, Perl and C experience.
- Experienced with MySQL, 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
- Sales Engineering experience: system design assistance, technical training, trade show tech setup, customer product demonstrations and support escalations.
- Strong familiarity with the custom home installation (CEDIA) market.
- Co-inventor on three patents: [video-touch interface](#), [music transitions](#), and [child remote](#).

Experience

Townsquared

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 while the organization was hiring a new VP of Engineering.

- Updated new user DB addition to go from 2 minutes per user to less than a second.
- Rewrote the "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.

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

April 2010 - October 2015

Software Engineering Team Lead - at Grassy Creek

Led the team that programs and maintains smart home installations at the Grassy Creek properties, as well as building a web portal called PLM to merge home controls, wealth management and property data.

- Designed and built a C# based control system running on Crestron's new platform to support existing installed Crestron systems.
- Helped implement a web backend using Pyramid and CouchDB.

Senior Software Engineer - at Engineered Environments (same Jetson team, different tasks and focus)

Programmed smart homes for high net-worth clients. Wrote several Crestron libraries to support different equipment.

- Redesigned Jetson's code base to make similar installations radically easier to maintain.

Experience

(continued)

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. Performed the duties of a Sales Engineer: managed trade show equipment, helped the sales staff with technical issues, performed technical training, gave demos, wrote documentation, did system support and went on sales calls. Used deep understanding of custom installations to guide product development; helped design user interface. Generally made the product a better fit and easier to incorporate into home custom systems.

Axiom Design, Inc. - Pleasanton, CA

June 1999 - August 2004

Senior Technologist

Designed and programmed large home integrated systems for design/programming firm. Responsible for all IT needs for many years. Built a robust network and network servers for different needs. As a Crestron programmer, built a flexible template allowing rapid deployment of new custom programs. Created the "Reuse" program from this template, leading to significantly faster deployment.

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 and detected other ships and aircraft. Deployed for Operation Desert Storm.

More details at <https://www.linkedin.com/in/ianeperson/>

Other Interests

- Air-cooled Volkswagens
- Toastmasters / Public Speaking
- Burningman art projects
- Camping and snow sports
- Youth soccer coach