

## Dan Levy

Centennial, CO 80122

[dan@danlevy.net](mailto:dan@danlevy.net)

720-937-8100

[www.danlevy.net](http://www.danlevy.net)

[twitter.com/justsml](https://twitter.com/justsml)

[github.com/justsml](https://github.com/justsml)

Devout Coder    ■    Effective Perfectionist    ■    Teacher & Mentor  
Dev Consulting    ■    Performance Solutions    ■    Open Source Fan

## Professional Overview

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Dan has 15 years of extensive professional software experience. Including expert UI/UX analysis, coaching/mentoring, team management, architecture & design, performance profiling, and security audits.

As an active contributor to numerous Open Source projects, Dan has established himself as a unique problem solver, responsive to feedback, ever learning. From the significant scope & range of his projects, Dan pulls from a deep bench of experience to apply the best strategy or tool in any given circumstance. Dan closely follows changes across the Information Technology landscape: learning new languages, methodologies, patterns, and adapting to different code styles.

A strong desire to collaborate & share knowledge led Dan to become a Docker Mentor, often engaging in discussions on Github.com and their Slack forum. Last year Dan joined the NodeJS Team as a Member/Contributor and has shown a penchant for advancing his JavaScript proficiency.

With 4+ years of DevOps experience on several cloud providers, in mixed cloud, hybrid cloud, and even private cloud, Dan has a proven track record leading migrations and scaling efforts.

In his free time Dan tinkers with hobbyist micro-electronics (Arduino and Raspberry PI). As a competitive coder, he's been ranked at **#150 in 'Statistics and Machine Learning'** at [www.hackerrank.com](http://www.hackerrank.com).

Dan writes on various sites across an extensive subject range, from programming patterns, language design, virtualization, scaling, security, robotics, Kanye West, US and British colonial history, and the value of a well placed Oxford Comma.

## Core Competencies

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Advanced	Intermediate	Novice
<ul style="list-style-type: none"><li>• JavaScript/NodeJS</li><li>• Docker/Rancher</li><li>• HTML5/CSS3</li><li>• ReactJS/ReactNative</li><li>• Angular</li><li>• SQL Optimization</li><li>• REST API Design</li><li>• Schema Design</li><li>• Browserify/WebPack</li><li>• Performance/Tuning</li><li>• Bash/sh Scripting</li></ul>	<ul style="list-style-type: none"><li>• Gulp/Grunt</li><li>• Git/Github</li><li>• Ansible</li><li>• Scalable Architecture</li><li>• Defensive Coding</li><li>• Security Analysis</li><li>• Python</li><li>• Test Automation</li><li>• Drone</li><li>• CircleCI</li><li>• Jenkins</li></ul>	<ul style="list-style-type: none"><li>• Ruby</li><li>• Vagrant</li><li>• Chai</li><li>• Gerkin</li><li>• Rust</li><li>• R</li><li>• Haskell</li><li>• Go</li><li>• Julia</li></ul>

## Work Experience

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### ***Senior Engineer – Elastic Suite (January 2016 – May 2017)***

- Managed rapid growth as server count increased from 5 to 200.
- Implemented Continuous Integration pipeline.
- Reduced overall server operating costs with Docker and Rancher.
- Oversaw security risk assessment & mitigation.
- Provided training & mentoring to growing development team.

### ***Lead Developer – Property X-Ray (December 2013 – Present)***

- Conceived and created new technology platform for the Title Insurance industry.
- Completed bi-annual security audits w/ partners.
- Created hybrid product, both cloud and on-premises.

### ***CIO – Core Title Colorado, LLC. (Dec. 2013 – Nov. 2016)***

- Designed a new kind of all-encompassing digitized workflow. *Title Insurance was stuck in the 90's.*
- Met requirements from ever changing regulations.
- Consulted with partners on product design, functionality and implementation.
- Developed an in-depth technology strategy.
- Led tech transition during acquisition.

### ***Lead Architect – Hillside Software, Inc. (15 Years - Mar. 1999 to Sep. 2014)***

- Hired and trained developers and IT personnel.
- Implemented entire new products and features.
- Oversaw ongoing product maintenance and bug fixes.
- Maintained SLA/performance.
- Validated security with internal/external audits.

## Education

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University of Denver (August 2002-2003, 2006-2007)

**Major:** Business Law (*Please don't hold it against me, I build things now*)

**Minor:** Philosophy, US & British History, and Organic Chemistry.

Before completing all required credits, Dan was drawn into the startup lifestyle - with complete dedication (dropped out).


## Open Source Contributions

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 [lodash](#) / [lodash](#)

 Watch ▾

641

 Unstar

22,376


 Fork

2,233

A modern JavaScript utility library delivering modularity, performance, & extras. Lodash is one of the most successful JavaScript libraries ever. Beating the likes of Underscore and jQuery.

**Contributions:** Extended ArrayBuffer support, in collaboration with [John David-Dalton](#).

 [nodejs](#) / [node](#)

 Watch ▾

2,183

 Unstar

33,187

 Fork

6,251


NodeJS helped boost JavaScript into being the 'most ubiquitous language.'

**Contributions:** Dan has provided key feedback & code on the URL parser re-design & strategy. As a contributing member of the organization, he regularly consults with Core team members.

 [docker](#) / [docker](#)

 Watch ▾

3,179

 Unstar

41,081

 Fork

12,409

Docker is an open platform for developers and sysadmins to build, ship, and run distributed applications, whether on laptops, data center VMs, or the cloud.

**Contributions:** Dan enhanced OS detection in the install script. Dan was recently named a Docker Mentor and can often be found helping at local meetups.

 [gruntjs](#) / [grunt](#)

 Watch ▾

596

 Unstar

11,343

 Fork

1,479

Grunt is one of the most successful build tools in the NodeJS ecosystem.

**Contributions:** Working closely with Dave Methvin, Dan improved the user experience around the console output & 3rd party tools.

 [nodejitsu](#) / [node-http-proxy](#)

 Watch ▾

245

 Unstar

6,969



 Fork

1,172

Nodejitsu's popular HTTP Proxy library is used in 100's of libraries on NPM.

**Contributions:** Nodejitsu's founder, Charlie Robbins, worked with Dan and others addressing documentation omissions.




 Automattic / mongoose

 Watch ▾ 533  Unstar 11,935  Fork 1,857

Mongoose is one of the most popular Object Data Model libraries for MongoDB.

**Contributions:** Working with project leaders, I used github.com to discuss and identify desired API specification for extending the base classes *Model* and *Query*. I implemented the features & required tests working together with Valeri Karpov (of MongoDB) and others.


 jsonresume / resume-cli

 Watch ▾ 47  Unstar 2,380  Fork 164

Resume CLI is the command line tool for [JSON Resume](#), the open source initiative to create a JSON-based standard for resumes.

**Contributions:** Dan aided in simplifying command line options & enhancing documentation.

 petkaantonov / bluebird

 Watch ▾ 366  Unstar 14,322  Fork

Bluebird is one of the most widely used replacement for native Promises.

**Contributions:** Dan has submitted several PRs over the years, and is a vocal proponent of better Promise usage.

 kofrasa / mingo

 Watch ▾ 15  Unstar 294  Fork 23

Mingo harnesses the power of MongoDB-style queries and allows direct querying of in-memory javascript objects in both client and server-side environments. This library is self-contained and has zero-dependencies

**Contributions:** Performance overhaul improved performance in tests 70%. Completed over a long weekend; a series of PRs highlights Dans potent ability to quickly demonstrate various 'competing' patterns to project stakeholders.

 rancher / rancher

 Watch ▾ 403  Unstar 5,866  Fork 558

Rancher is a powerful Docker administration platform.

**Contributions:** Aided in the resolution of a number of issues, touching on storage, upgrades and scaling.

 camwiegert / in-view

 Watch ▾ 82  Unstar 3,686  Fork 144



In-view is a widely used library for reliable DOM position information across many mobile and desktop platforms/browsers.

**Contributions:** Submitted code to aid in resolving edge issues with the Safari browser.

## Achievements

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2016 - [HackerRank.com](https://www.hackerrank.com) – 1,000's of developers actively competing

Artificial Intelligence	Algorithms
<b>Rank: 148</b>	<b>Rank: 10,546</b>
 <p>A circular green badge with the text "MACHINE LEARNING" at the top. It features two interlocking gears and four yellow stars at the bottom.</p>	 <p>A circular orange badge with the text "ALGORITHMS" at the top. It features a flowchart diagram and four yellow stars at the bottom.</p>
72nd Percentile	52nd Percentile

**2016, Summer** - The inventor of JavaScript, Brendan Eich, liked a tweet of mine about JavaScript architecture & language design!