

# Dan Levy

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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 design, coaching/mentoring, team management, architecture & design, performance tuning, 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>• Advanced SQL</li><li>• REST API Design</li><li>• Schema Design</li><li>• Browserify/WebPack</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 CI</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>• Julia</li><li>• Go</li><li>• Tensorflow</li></ul>

## Work Experience

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### **Senior Architect – 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.

### **Co-owner & 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.

### **Partner & 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 and total dedication (i.e. 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 1,761

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://HackerRank.com) – 1,000's of developers actively competing

Artificial Intelligence	Algorithms
<b>Rank: 148</b>	<b>Rank: 10,546</b>
	
72nd Percentile	52nd Percentile

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