

# JASON HOWARD WOHLGEMUTH

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## KNOWLEDGE

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### Programming Languages

- (*Experienced*) ECMAScript (JavaScript), Node.js, HTML/XML/CSS
- (*Familiar*) Rust, WebAssembly (from Rust), Kotlin, Clojure, ClojureScript, Elm, ML (Reason, OCaml, F#), Python

I believe understanding math and functional programming is essential for one to excel at writing sustainable software.

### JavaScript Tools, Libraries, and Frameworks

- Backbone.js, Cesium.js, MarionetteJS, React.js, jQuery, RequireJS (*AMD* )
- Polymer (Web Components), Lodash.js, Redux.js, RxJS
- flow, jest, ESLint
- I pretty much am familiar with everything...not that I am a master of everything, but that I have at least tried everything and understand the purpose all items in the ecosystem.

I build web apps, desktop apps, servers, APIs, libraries, and CLI tools (see my GitHub account for examples)

### Database Technologies and DevOps

- (*Database Technologies*) MongoDB, redis, CouchDB, MySQL
- (*Continuous Integration*) Jenkins, TeamCity, Travis, Codeship
- (*Development and Deployment*) Git, nvm, npm, Grunt, Gulp, Browserify, Babel, Webpack

I keep track of current trends and developments...it is kind of a hobby

### Software

- Docker, Vagrant, Packer, VMWare, VirtualBox, Linux, RHEL
- Almost any front-end IDE/editor (current favorite is VS Code)
- Atlassian JIRA, Stash (Bitbucket Server), Confluence
- Adobe Fireworks, Adobe Illustrator, Adobe Flash

### Web Application security

- MITRE CVE and CWE
- So Now You Know (snyk)
- OpenSCAP

**example:** I made an ESLint config mapped to MITRE CWEs

## SKILLS

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### Application Design and Development

- Designed and delivered presentation on automating front-end development using modern front-end tools such as node.js, Grunt, and Karma. A functional project template that facilitates the immediate implementation of the ideas presented is available online on GitHub.

## Engineering / General Management

- As a division officer on a submarine, supervised the daily operations of a nuclear reactor and engine room at sea and in port, maintaining electrical power to vital systems throughout the submarine.
- Led teams through complex technical evolutions, during maintenance and casualty situations, maximizing efficiency while maintaining a safe environment.

## Training

- As the Command Training Team officer liaison, guided the planning and implementation of new training practices and procedures that included achieving 100% compliance with new Navy SAPR training guidance.
- Maintained 100% readiness as the branch Training Officer ensuring that personnel were always ready to meet mission objectives.

## EXPERIENCE

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### 11/15 - Present, *Senior Software Developer*

@BAE Systems

- Developing and implementing front-end architecture and workflow for multi-million dollar application
- Subject matter expert and experienced mentor on all things front-end (JS/HTML/CSS)

### 08/15 - 11/15, *Senior Software Developer*

@Leidos

- Performed agile development using popular front-end technologies such as: Ampersand.js, Reveal.js, and Cesium.js

### 07/14 - 08/15, *Senior Software Developer*

@BAE Systems

- Senior developer for multi-million dollar modern web application.
- Instrumental to implementing application infrastructure using MarionetteJS, HTML5, and Less.js

### 07/10 - 7/14, *Strategic Plans Officer / Security Manager*

@USSTRATCOM Joint Functional Component Command, Global Strike

- Streamlined communication up chain of command and facilitated executive-level, biweekly planning meetings; improved planning process and enabled collaboration and senior leader strategic decision making.
- Consulted with multiple groups in US Strategic Command; provided technical counsel on projects involving **network analysis** and **operations research**; improved products and furthered approval/development process.
- Modernized websites, maintained collaboration tools, created new tools for mission accomplishment, and maintained overall situational picture as division knowledge manager; improved productivity and efficiency.

### 05/06 – 07/10, *Submarine Warfare Officer*

@USS Louisiana (SSBN 743)

- Led team to verify 100% of damage control gear prior to sub's major Operational Reactor Safeguard Exam; ensured zero deficiencies and sub's ability to combat any casualty, real or simulated, during patrols.
- Led efforts to improve tracking and control of top secret material; drafted and executed aggressive plan that successfully fixed sub's wayward security program; led to no security-related discrepancies during inspection.
- Selected out of 10 officers as sub's inaugural LAN officer; essential in writing operating instructions; maintained LAN with 100% compliance and no major discrepancies during inspections.

## PROFESSIONAL AWARDS

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- **2017** Joint Service Achievement Medal
- **2014** Joint Service Commendation Medal
- **2011** Joint Service Achievement Medal
- **2010** Navy and Marine Corps Achievement

## EDUCATION

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- **2012** Master of Arts, Mathematics, University of Nebraska at Omaha
- **2006** Bachelor of Arts, Mathematics, University of San Diego
- **2006** Bachelor of Arts, Physics, University of San Diego

## CERTIFICATIONS

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- **2015** Certified Information Systems Security Professional (CISSP)
- **2015** Professional in Human Resources (PHR)

## OTHER

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- Cleared for Top Secret information and granted access to Sensitive Compartmented Information based on a Single Scope Background Investigation.
- 2014 - Present Navy Selected Ready Reserve member
- 2011 - 2013 Tutored local high school students in Geometry and Trigonometry
- 2012 - 2013 Tutored online with tutor.com in Calculus and Algebra