# JASON HOWARD WOHLGEMUTH

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## KNOWLEDGE

### Programming Languages

- *(Experienced)* ECMAScript (JavaScript), Node.js, HTML/XML/CSS

- *(Familiar)* Rust, Kotlin, Clojure, ClojureScript, Elm, ML (Reason, OCaml, F#), Python

  I believe understanding math and functional programming are essential in order 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

### 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

### 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

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

# EDUCATION

- **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

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

# OTHER

- 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