**SHAWN CRAHEN**

Springfield Area, MO ● (978) 992-6523 ● [shawn.j.crahen@gmail.com](mailto:shawn.j.crahen@gmail.com) ● [linkedin.com/in/shawnjcrahen](https://www.linkedin.com/in/shawnjcrahen) ● [shawncrahen](http://shawncrahen.com/).com

**Work Experience**

**Web and Software Developer April 2022 to Present**

* Leverage full-stack skillset and collaborate with Agile software development team to develop a full-featured Content Management System (CMS) for a government agency
* Designed/implemented refined permissions model system-wide; reduced complexity while preserving system security and reduced future development/QA time
* Implemented roles management feature using Java, Spring, Hibernate, Thymeleaf, JavaScript; enabled users to create system roles and assign rights/users to each role

**United States Coast Guard April 2002 to July 2022**

* Advanced to the highest enlisted rank, Master Chief Petty Officer (E-9), 8 years ahead of professional growth point; earned #1 score on service-wide examination at 3 different pay grades (2013, 2016, 2019)
* Earned highest possible Boat Forces certification as Surfman (2007) and assigned #392 in the national Surf Register. Held numerous other boat forces and law enforcement certifications.
* As Officer in Charge (2017-2022) supervised staff of 40 active duty, reserve, and auxiliary personnel, in the execution of over 350 high-risk search and rescue and law enforcement missions annually; saved ~75 lives and preserved ~$1.25M maritime property annually
* Represented boat stations on selective national advisory council (2018-2021); influenced service-wide policy reforms which improved workforce management and reduced operational risk
* Collaborated with Federal, State, and Local partner agencies in maritime operations; trained/certified operators resulting in 3x increase in capabilities in area of responsibility
* Directed maintenance of $25 million in real property assets and $5 million in small boat assets
* Designed/implemented training, professional development, indoctrination, and education programs for 80 active duty, reserve, and auxiliary personnel (2013-2017); increased unit qualifications by 40% and developed unit-wide expertise in electronic navigation systems, search and rescue, law enforcement, and operational risk management. Certified personnel in boat forces and law enforcement competencies.
* Championed Leadership and Diversity Advisory Council (Chair) (2013-2017); held widely attended, monthly leadership workshops; crafted inclusive culture

**Software Projects**

**Real Weather -** [realwx.net](http://surfstationwx.com) (May 2022)

* Designed and implemented mobile-first, single page weather application
* Leveraged several publicly available web services (weather, geolocation/geocoding, IP location)
* Technologies Used: AngularJS, HTML, CSS, Grunt, AWS Route 53, AWS S3, AWS Cloudfront

**Weather Dashboard -** [surfstationwx.com](http://surfstationwx.com) (February 2022)

* Designed and implemented weather dashboard tailored to the needs of Coast Guard surf stations
* Deployed using AWS Elastic Beanstalk and Route 53
* Technologies Used: Spring Boot, Thymeleaf, H2, HTML, CSS, AWS, Java

**Personal Portfolio -** [shawncrahen.com](http://shawncrahen.com/) (January 2022)

* Constructed personal portfolio web site to showcase projects; deployed with AWS Route 53 & S3
* Created serverless contact form to receive contact emails using AWS API Gateway, Lambda, & SES
* Technologies Used: JavaScript, HTML, CSS, Amazon Web Services, VS Code

**Minesweeper Replica -** [https://github.com/minesweeper](https://github.com/sjcrahen/minesweeper-1.0.0/releases/tag/v1.0.0%20)(January 2022)

* Implemented Minesweeper clone for Windows using Java
* Technologies Used: Java, Launch4J, InnoSetup

**Certifications**

* **AWS Certified Cloud Practitioner**, Amazon Web Services **Jan 2022**

**Education**

* **M.S. Computer Science**, University of Illinois - Springfield **Dec 2021**
* **B.S. Environmental Science**, American Military University **Feb 2018**

**Languages and Technologies**

* Languages: Java, SQL, JavaScript/jQuery, HTML, CSS/SASS
* Technologies: Spring, Hibernate, Thymeleaf, REST, AngularJS, Bootstrap, Agile, Git, Jira, Sourcetree, AWS