

# SHAWN CRAHEN

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## Work Experience

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### Penbay Technology Group - Senior Software Developer April 2022 to Present

- Serve Agile software development team as Scrum Master and full-stack developer to deliver a full-featured, custom Content Management System (CMS) for a federal government agency
- Facilitate Scrum events, coach and organize Scrum Team, and promote Scrum values and Agile practices
- Implement CMS administration features using Java, Hibernate, RESTful Web Services, Thymeleaf, JavaScript/jQuery, & Oracle Database within a Spring MVC architecture
- Build/maintain page/publication editor features using AngularJS, Bootstrap, HTML, CSS/SASS, & Thymeleaf templates
- Write unit tests and automated tests using JUnit, Mockito, AssertJ, Cucumber/Gherkin, & Selenium WebDriver
- Collaborate and coordinate team effort using Scrum, Jira, Confluence, Bitbucket, Sourcetree, Git, Miro

### 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 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 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
- 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

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### Real Weather (version 2.0) - [realwx.net](https://realwx.net) (February 2023)

- Designed and implemented mobile-first, single page weather application
- Leveraged several publicly available web services (weather, geolocation/geocoding, IP location)
- Technologies Used: React, React Router, Redux, AWS Route 53, AWS S3, AWS Cloudfront
- Note: Version 1.0 implemented using AngularJS (May 2022)

### Weather Dashboard - [surfstationwx.com](https://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: Java, Spring Boot, Thymeleaf, H2, HTML, CSS, AWS, JavaScript

### Minesweeper Replica - <https://github.com/minesweeper> (January 2022)

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

## Certifications

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| • AWS Certified Developer - Associate, Amazon Web Services | Feb 2024 |
| • Spring Certified Professional 2023, VMware               | Nov 2023 |
| • Professional Scrum Master™ II (PSM II), Scrum.org        | Jun 2023 |
| • Certified ScrumMaster® (CSM®), Scrum Alliance            | Feb 2023 |

## Education

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

## Languages and Technologies

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- Languages: Java, JavaScript/jQuery, HTML, CSS/SASS, SQL, Gherkin
- Technologies: Spring, Hibernate, Thymeleaf, REST, AngularJS, Bootstrap, Agile (Scrum), Git, Jira, Confluence, Bitbucket, Sourcetree, AWS, React, JUnit, Mockito, AssertJ, Cucumber, Selenium WebDriver