**SHAWN CRAHEN**

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**Work Experience**

**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**

**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](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: Java, Spring Boot, Thymeleaf, H2, HTML, CSS, AWS, JavaScript

**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, JavaFX, Launch4J, InnoSetup

**Certifications**

* **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**

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

**Languages and Technologies**

* 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