# Emily Olszewski

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## PROFESSIONAL EXPERIENCE

**Co-Creator, Software Engineer**                                       08/2023 – 12/2023
*SmoothSail - https://smooth-sail.github.io/*  🔗

- Co-created SmoothSail, open-source, self-hosted feature flagging solution with user-targeting capabilities for testing in production.
- Built software development kit (SDK) for use in user's backend application, responsible for connection to SmoothSail architecture, published as NPM package with associated documentation.
- Developed Express application for establishing and maintaining persistent connections with server-side SDKs.
- Implemented feature flag evaluation logic and functionality for identifying and addressing stale connections.
- Produced load-testing protocol and performed load-testing to verify system wide delivery of data beyond anticipated usage.
- Led research and prototyping efforts for selecting a message broker utilized for communication between components.
- Built a responsive website for SmoothSail using Tailwind CSS and React.
- Co-authored SmoothSail's technical case study documenting design decisions: https://smooth-sail.github.io/#/case-study

**Software Engineer, Self Employed**                                     09/2022 – 12/2023
Developed open-source software, some highlighted projects include:

- RequestTool : RequestBin-like tool for receiving and inspecting webhooks (*React, Express, MongoDB, NodeJS, Ngrok*)
- Ebay Profit Project : Tracking inventory, profit for Ebay sales, deployed on Fly.io (*Ruby, Sinatra, ERB, PostgreSQL*)
- Contact Manager with dynamic filtering and tagging (*jQuery, Handlebars, HTML, CSS*)
- Todo Tracker : Full stack app for adding, editing, and completing todo lists (*Ruby, Sinatra, ERB, PostgreSQL*)

**Program Analyst**                                                     01/2021 – 09/2022
*Systems Planning and Analysis, Inc.*

- Provided risk based analysis to DOE entities to inform better decision making for prioritization and resource allocation.
- Analyzed organizational requirements to assist DoD clients execute a transition to a digital environment while maintaining information security.

**Nuclear Power Officer**                                               05/2015 – 12/2020
*United States Navy*

- Managed numerous teams of 60+ technicians in a $200M nuclear engineering plant.

## SKILLS

**Back End**
NodeJS/Express, PostgreSQL, MongoDB, REST APIs, Ruby/Sinatra, Go, DigitalOcean Droplet, Nginx, Server-Sent Events

**Front End**
JavaScript, HTML/CSS, React, Handlebars.js, jQuery, TailwindCSS

## EDUCATION

**Advanced Nuclear Power Course, Naval Nuclear Power Training Center**   04/2017 – 05/2018
Graduated in top 10% of class. Post Graduate studies covering mathematics, physics, materials, thermodynamics, electrical engineering, reactor dynamics and construction.

**BS Mechanical Engineering, University of South Carolina**             05/2015