

JOSEPH HILBY · Software Engineer

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SUMMARY

Professional Naval Aviator turned Software Engineer with over 10 years and 2,000 flight hours of military aviation experience. Looking to leverage my expertise with working on teams, communicating, continuously learning, adapting quickly, managing complexity, & weighing risk and applying them to a new position in software engineering.

SKILLS

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|----------------|----------|--------------|-------------------|
| • Ruby | • Rails | • PostgreSQL | • ActiveRecord |
| • TDD (RSpec) | • Python | • GitHub | • Agile Practices |
| • RESTful APIs | • Django | • HTML | • CSS |

SOFTWARE PROJECTS

[APRES-SKI](#) | Capstone Project | 2x 3 Person Teams Feb 2023

- A RESTful API that allows users to find and engage with restaurants in the town of Breckenridge.
- Django REST Framework based back-end application designed, created, and deployed in parallel with the React based web application it was created for.
- Tech Stack: Python, Django, PostgreSQL, GitHub, Heroku

[LUNCH AND LEARN](#) | Solo Project Jan 2023

- A RESTful API that allows users to collect and favorite recipes based off of the country that recipe is from.
- Rails based back-end application created based off of a provided JSON Contract. This application stores user data (for authentication through Bcrypt) and returns information aggregated from multiple API calls (EDAMAM, YouTube, & Pexels).
- Tech Stack: Ruby, Rails, RSpec, PostgreSQL, GitHub

EXPERIENCE

United States Navy

Asst. Air Officer & Hangar Deck Officer, Nov 2020 – Dec 2021

USS IWO JIMA, LHD-7

- Coordinated daily flight and humanitarian relief operations for USS IWO JIMA during the evacuation of Afghanistan.
- Directly managed a division of 43 personnel in the day-to-day operations and logistics associated with aircraft maintenance and Replenishment at Sea evolutions.

Navy Instructor Pilot & Standardization Check Pilot, Feb 2018 – Nov 2020

Training Squadron TEN, VT-10

- Oversaw, updated, and standardized the flight training syllabus for all Student Naval Flight Officers.
- Conducted high risk flight training and evaluation including: Operational Risk Management, Crew Resource Management, Out of Controlled Flight Recovery, Aerobatics, Pattern Work, Instrument Navigation, Low-Level Visual Navigation, Formation, and Formation Aerobatics.

Squadron Instructor Pilot & Maintenance Check Pilot, Mar 2012 – Feb 2018

Helicopter Maritime Strike Squadron SEVEN TWO, HSM-72

- Directly responsible for a detachment of 63 personnel and 4 combat aircraft. Overseeing and reporting all maintenance evolutions and ensuring aircraft were safe to fly and deploy on time.
- Maintenance Check pilot responsible for troubleshooting, flying, and final signature authority for the 'safe for flight' status of 13 combat aircraft.
- Responsible for ensuring standardization and procedural compliance for 60 pilots/aircrew. Involving all training, evaluation flights, and emergency procedure simulators.

EDUCATION

Turing School of Software and Design, Denver, CO May 2023

Accredited Backend Software Engineering Certificate

The College of Idaho, Caldwell, ID May 2010

Bachelor of Arts in Philosophy