

RENEE MESSERSMITH

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WEB DEVELOPER | SOFTWARE ENGINEER

Detail-oriented full-stack developer skilled in React, TypeScript, Ruby on Rails, and building scalable, user-friendly applications. Strong communicator with experience in Agile teams, translating complex concepts for diverse stakeholders. Ensuring maintainable software through accurate code quality, testing, and performance optimization.

TECHNICAL SKILLS

Languages/Frameworks: React, React Router, JavaScript, TypeScript, HTML, Tailwind, CSS, Ruby, Rails, PostgreSQL, Active Record

Testing: TDD, Cypress, RSpec, SimpleCov, WebMock, VCR, ShouldaMatchers

UI/UX/Design: User story development, wireframes, responsive design

Tools/Workflow: Github, Git, Postman, Slack, REST APIs, Heroku, Vercel, Faraday, CI/CD, MUI, Agile, Jira

Currently learning: Angular, Electron

PROJECTS

Down the Rabbit Hole | [Demo](#) | [Frontend](#) | [Backend](#) | **5 Person Team** | **120 Hours**

Tech: React, Cypress, React Router, JavaScript, HTML, CSS, Ruby on Rails, RSpec

- Developed an interactive educational web app for exploring animals, ecosystems, and food chains, featuring animals found throughout the national parks
- Created RESTful APIs utilizing Test Driven Development (TDD) and RSpec to reach 100% total test coverage
- Designed with accessibility-first principles, incorporating WAI-ARIA tags, keyboard navigation, semantic HTML, and an optional OpenDyslexic font toggle, achieving a 100% accessibility score on Lighthouse

Tracker | [Frontend](#) | [Backend](#) | **13 Person Team** | **4 Weeks**

Tech: React, Cypress, React Router, TypeScript, HTML, Tailwind CSS, Ruby on Rails, JWT, RSpec

- An application for tracking companies, managing contacts, and organizing job applications all in one place
- Designed intuitive and user-friendly interfaces for the contacts view and navigation bar, enhancing overall usability and user experience
- Developed secure and efficient API endpoints for managing contacts, incorporating user verification through authorization tokens to ensure data protection

PROFESSIONAL EXPERIENCE

Software Developer (Student) | Turing School of Software and Design 06|2024 – 01|2025

- Developed dynamic and responsive web applications by utilizing React, TypeScript, and Angular, and ensuring seamless user experience and performance across devices
- Engineered RESTful APIs with Ruby on Rails, optimizing data flow and integrating third-party APIs for enhanced functionality while maintaining high test coverage using RSpec, and WebMock
- Built dynamic, accessible, and engaging user interfaces using React to enhance user experience and ensure inclusivity for all users

- Ensured seamless deployment processes and reduced production bugs by designing and maintaining a CI/CD pipeline using GitHub Actions and effectively collaborating in Agile teams utilizing Jira and Slack to communicate and implement improvements

Flight Attendant | American Airlines

03|2023 – 04|2024

- Recognized by leadership for improving customer satisfaction which resulted in reducing customer complaints and improving overall experience for each individual
- Collaborated with senior leadership to execute safety and operating procedures and maximize the safety and comfort of customers, resulting in increased customer retention

Remote sUAS Drone Operator | DroneBase | Freelance

01|2021 – 04|2023

- Obtained 100% incident-free operation record by developing and optimizing automated flight plans using mission planning software, geospatial tools, and ensuring FAA compliance and risk mitigation
- Enhanced situational awareness and reduced operational risks by utilizing data visualization tools and real-time telemetry software to effectively coordinate with team members
- Improved workflow automation by applying data processing and scripting techniques to analyze aerial imagery, increasing accuracy in mapping, surveying, and inspection projects

EDUCATION

Turing School of Software and Design

06|2024 – 01|2025

Accredited ACCET Software Engineering Certificate

- Developed full-stack web applications through project-based learning, applying agile methodologies
- Strong foundation in Object Oriented Programming (OOP), Test Driven Development (TDD), and software design principles
- Authored technical documentation, including detailed API endpoint specifications, request/response examples, and authentication guidelines to enhance developer experience
- Strengthened problem-solving and debugging skills through daily code challenges, peer code reviews, and professional development activities
- Built dynamic and responsive web applications, prioritizing performance, accessibility, and maintainability

Pasco-Hernando State College

01|2020 – 12|2022

Associates in Science – Unmanned Vehicle Systems Operations

- Developed a deep understanding of technical troubleshooting and system documentation, improving cross-disciplinary project outcomes
- Integrated software and hardware solutions for unmanned systems, showcasing technical problem-solving abilities.