RENEE MESSERSMITH

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SOFTWARE ENGINEER | WEB DEVELOPER

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, JavaScript, TypeScript, HTML, Tailwind, CSS, Ruby, Rails, PostgreSQL
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
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 web accessibility standards (WCAG), 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
- Skilled in creating dynamic and responsive web applications, with a strong foundation in full-stack development and a comprehensive understanding of industry best practices
- Designed and developed RESTful APIs using Rails while ensuring reliability and performance through robust RSpec testing for edge cases and sad paths
- Built dynamic, accessible, and engaging user interfaces using React to enhance user experience and ensure inclusivity for all users

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 | Drone Base | Freelance   01|2021 – 04|2023
- Designed and executed comprehensive flight plans, ensuring compliance with FAA regulations and mitigating safety risks, contributing to a 100% incident-free operation record
- Coordinated effectively with team members to ensure smooth flight operations, prioritizing situational awareness and minimizing potential risks

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.