# John P. Hill - Software Engineer

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## OVERVIEW

Passionate software developer specializing in web development, with expertise in front-end technologies like React and Next.js, and back-end frameworks such as Ruby on Rails and Express.js. Hold a TS with SCI eligibility clearance, enabling contributions to secure, high-impact projects. Skilled in designing and integrating RESTful APIs with front-end applications to deliver seamless user experiences. Committed to Test-Driven Development, clean code practices, and building robust, maintainable solutions. Eager to contribute creativity and technical expertise to a forward-thinking development team focused on innovation and excellence while pursuing continuous growth both personally and professionally.

## TECHNICAL SKILLS

**Languages/Frameworks:** Next.js, Tailwind CSS, React, TypeScript, JavaScript, Express.js, Bootstrap, Rails, ActiveRecord, Ruby, Framer Motion, Chakra UI, Three.js, CSS, HTML

**Testing:** Rspec, SimpleCov, Postman, Cypress

**Tools/Workflow:** Git, GitHub, Postman, REST APIs, OAuth, Firebase, React Router,

**Environments:**  Google Cloud, Cloud Run, Heroku, Vercel

**Exposure:** Tkinter, Beautiful Soup, Selenium Webdriver, Bash, JQuery, Flask, PostgreSQL

## SOFTWARE PROJECTS

**Fresh Start Recipes (Mobile Only) |** FE Repo | API Repo | Deployment                    Team Project
**Tech Stack**: Ruby on Rails, PostgreSQL, React, Framer Motion, Chakra UI, GitHub, REST APIs

- Built a recipe-sharing app with a Rails backend API and React front end, implementing authentication via API keys.
- Developed advanced filters for ingredients, price, cooking style, and serving sizes, leveraging front-end queries and ActiveRecord processing on the backend for efficient data handling.
- Collaborated via GitHub with a team of three developers, completing the project in 10 days while maintaining a 100% pass rate on test coverage.
- Currently rewriting the application in Next.js and Tailwind CSS to improve performance with caching and Incremental Static Regeneration (ISR), reduce redundant CSS, and enhance maintainability.

**Ash Battles:** | Repo | Deployment                                                        Solo Project
**Tech Stack**: Express, Javascript, CSS, HTML, Github, ChatGPT API, Pokemon API

- Developed a web-based application where users can view Pokémon battles featuring Ash Ketchum and track his major accomplishments in the Pokémon series.
- Implemented a CORS strategy to handle filtering on the front end.
- Leveraged the ChatGPT API and Pokémon API to create interactive features and animations, enhancing user engagement.
- Developed a responsive tournament bracket system using JavaScript's canvas, ensuring dynamic resizing with 100% accuracy across various screen sizes.

## PROFESSIONAL EXPERIENCE

**Sales Engineer, Everfox** , October 2022 to June 2024
Sales Engineer for Everfox (Formerly known as Forcepoint Gov) Cross Domain Solutions (CDS) supporting Air Force and Space Force.

- Specialized in Cross Domain Solutions (CDS) for Air Force and Space Force, requiring TS clearance.
- Authored 500+ pages of technical documentation, utilized by 100% of new hires to quickly familiarize themselves with products and processes, reducing onboarding time by 30% and reliance on ad hoc support.
- Developed, implemented and briefed solution strategies aligned with government requirements (Zero Trust, NCDSMO), achieving 100% compliance with federal government policies.

- Mentored and trained four new team members by conducting technical demonstrations and overseeing solution installations.
- Delivered tailored solutions for cloud, enterprise, and tactical scenarios to support Department of Defense and Special Access Programs**.**

**Apple Technician**, Apple, June 2019 to January 2020
Offering in-person technical support, troubleshooting, and consulting for iPhones and related Apple devices.

**EDUCATION & IT CERTIFICATIONS**

- **Turing School of Software and Design,** Full Stack Program, Denver, CO, June 2024 - Present
- **Bachelor's Degree in Computer Information Systems** at Metropolitan State University of Denver. Graduated May 2022
- Cisco Certified Network Associate (CCNA)
- Completed Linux Professional Institute Certification (LPIC) 101 & 102 courses
- CompTIA Security+ Certification (SYO-601)
- Information System Analysis (ISA) Certification at a Practitioner level

**Clearance:**

- **TS with SCI eligibility (No polygraph)**