

# John P. Hill - Software Engineer

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## OVERVIEW

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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

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**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

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**Fresh Start Recipes (Mobile Only)** | [FE Repo](#) | [API Repo](#) | [Deployment](#)

Team Project

**Tech Stack:** Ruby on Rails, PostgreSQL, Next.js, Tailwind CSS, Framer Motion, Chakra UI, GitHub, REST APIs

- Built a recipe-sharing platform powered by a Ruby on Rails backend API and initially implemented with a React front end.
- Implemented robust filtering options (by ingredients, price, cooking style, and serving sizes) using front-end queries and ActiveRecord on the backend for efficient data retrieval and processing.
- Collaborated with a team of three developers using GitHub for version control, delivering the first iteration of the project within 10 days, maintaining a 100% test coverage rate.
- Successfully Migrated the application front end to Next.js with SSR and Incremental Static Regeneration, optimizing initial load times and enabling efficient caching. Refactored styling using Tailwind CSS, reducing stylesheet size by 90% and enhancing maintainability. The improved application is now deployed live, offering better performance and scalability.

**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

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**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**

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- **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)**