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. Currently expanding Java expertise to enhance cross-platform development capabilities. Eager to contribute creativity and technical expertise to a forward-thinking development team focused on innovation and excellence while pursuing continuous growth.

TECHNICAL SKILLS

Languages/Frameworks: Next.js, Tailwind CSS, React, TypeScript, JavaScript, Express.js, Java (in progress), Bootstrap, Rails, PostgreSQL, 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, CircleCI

Environments: Google Cloud, Cloud Run, Heroku, Vercel

Exposure: Tkinter, Beautiful Soup, Selenium WebDriver, Bash, jQuery, Flask

SOFTWARE PROJECTS

Fresh Start Recipes (Mobile Only) | FE Repo | API Repo | Deployment   Team Project
Tech Stack: Ruby on Rails, PostgreSQL, React, Next.js, Tailwind CSS, Framer Motion, Chakra UI, GitHub, REST APIs, CI/ CD

- 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

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.
- Virtualized key CDS products Trusted Thin Client (TTC), High Speed Guard (HSG), Control Center, and Trusted Gateway System (TGS) on VMware Horizon to streamline product familiarization, test features ahead of on-site deployments, and train team members in isolated environments.
- Delivered tailored solutions for cloud, enterprise, and tactical scenarios to support Department of Defense and Special Access Programs**.**
- Worked with multiple VDI solutions (Citrix, VMware, RDS) to configure with Trusted Thin Client (TTC)

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 & Design – Full Stack Program** Denver, CO. Graduated Jan 2025
    - Completed a **10,000-hour immersive** coding curriculum in an Agile-based environment (pair programming, daily stand-ups, TDD, CI/CD).
    - Built full-stack applications with Next.js, Rails, PostgreSQL, and Git-based workflows, collaborating on production-level projects.
- **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)**