**Adit Garg**

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Rochester, NY – 14607 (open to relocate and work in-office)

**EXPERIENCE**

**Collins Aerospace; *Software Engineer 2****; remote; hired full-time after internship* Sep 2022 – Present

* Engineered flight safety critical features and UI library components using Angular, Typescript, RxJs, NgRx (like Redux), and Jasmine with 90%+ unit test coverage
* Delivered 5 successful releases for the NextGen Flight-Planning app. The most recent is custom routing, a critical feature allowing pilots to create custom routes. This was valuable for pilots flying in Chinese and other international airspace as routing data is often unavailable
* Led organization-wide weekly Front-end alignment and innovation meetings with 25+ people. The most recent outcome was establishing new branching strategies that reduced deployment freeze times and regressions for multiple teams working on the same codebase
* Maintained and extended UI library by contributing 10+ modular, responsive, and dynamic components using Angular, HTML, SCSS, Typescript, and storybook
* Refactored 60% of features in the code base to add documentation, reduce complexity, and add unit tests. This increased unit test coverage from 40% to 75%, which reduced bugs and regressions and increased team velocity
* Led spikes to explore complex features; most recently, it proved the feasibility of a critical product feature that enhanced the competitiveness of our product offering and delivered a functional prototype 70% ahead of schedule

**Gannett – USA Today Network; *Full Stack Engineer****; hired twice here, between school semesters; remote* Jan - May 2022

* Solely led, designed, and engineered a responsive non-profit news platform for 36 news organizations using React (Next.js), GraphQL, SCSS, HTML, JavaScript, Strapi, Node.JS, Google Analytics, NGINX, Figma, and Illustrator
* Delivered MVP 50% ahead of schedule and polished, feature-rich product on time, which exceeded scope, and maintained a substantial budget surplus by resolving the need for additional hires. This resulted from spikes to research solutions that sped up development
* Developed a fully customizable website – based on end-user personas – using Strapi headless CMS to dynamically fetch and render content added by journalists within the CMS, like news articles, site pages, news sections, etc., into Next.js pages
* Enhanced page visibility and accessibility (avg. Lighthouse score: 96) by using Next.js (React) SSR, adding SEO, and optimizing server requests using GraphQL
* Orchestrated on-premises hosting at partner’s servers – Rochester Institute of Technology – using Nginx and implemented monitoring, server logs, and automatic restarts using PM2 and provision of SSL certificates using certbot

**EDUCATION**

**Rochester Institute of Technology** Bachelor of Science, New Media Interactive Development Aug 2022 Additional coursework in Software Engineering, CS, and Economics.

Immersion: Advertising and public relations

**HONORS**

* Best Delegate at India’s YEAR Conference: economic and poverty reform; proposal for vocational education for impoverished communities and meal plans for children. The proposal won and was shared with the state government (Rajasthan, India)
* Second place at Mental Health Hackathon: “Rlxr” a soothing, vibrant, and calm animated particle experience across devices. Oct 2019
* First place at RIT UX Design hackathon: A distraction-free experience for passengers in a car to control car climate and media. Nov 2019

**ADDITIONAL INFORMATION**

**Projects:** Sentient plant (Arduino + voice queues), audio visualizer with reverb Lofi effects (Native JS audio API), Disaster tracker, and data visualization (Mapbox + News API)

**Skills:** TypeScript, React, Angular, NgRx (Redux), RxJS, Next.js, JavaScript, HTML, CSS/ SCSS, Node.js, NGINX, MongoDB, Git, Redis, Express.js, Puppeteer, Jasmine, p5.js, Python, Java, C# .NET, Strapi, Adobe (Photoshop, Illustrator, XD), Figma, and Zeplin