ADITYA JAIN

Front-End Developer | React · TypeScript · .NET | Mississauga, ON
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Professional Summary

Front-end developer with 5+ years building and owning the customer-facing e-commerce experience for **tsc.ca**, the Rogers-owned national retailer with ~800K monthly visits. As one of two front-end developers on the site, migrated the entire Angular front end to React and TypeScript, redesigned product search on Algolia, and built front-end features for a marketplace serving hundreds of third-party vendors. Takes features from Figma to production independently, represents front end in sprint planning, and mentors new hires. MSc in Computer Science (Artificial Intelligence) and an AI-first development workflow.

Technical Skills

Front End: React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, React Query, Webpack, Vite
CMS, Search & APIs: Contentful (headless CMS, custom plugins), Algolia, REST APIs, third-party API integration
Back End: C#, .NET / .NET Core, Node.js, SQL, Python
Practices: Performance optimization (Lighthouse), accessibility (screen reader testing), A/B testing, feature flags, code review, Agile/Scrum
Tools: Git, Azure DevOps, Azure, CI/CD, SonarQube, Docker, Figma, Jira, AI coding assistants

Professional Experience

Rogers Communications | TSC (tsc.ca) — Mississauga, ON
.NET & Front-End Developer — May 2021 – Present

- One of two front-end developers for **tsc.ca** (~800K monthly visits); own features end to end, from Figma mocks through production release, shipping one major feature and 2–4 enhancements every sprint
- **Migrated 100% of the legacy Angular front end to React and TypeScript** across the shopping bag, My Account and live TV schedule, reducing bundle size, improving load times, cutting defects and speeding up delivery of new features
- **Redesigned the product search page** on Algolia, the site's primary product search, as part of a customer retention initiative that increased add-to-cart rates
- Built front-end features for the **TSC Marketplace**, enabling hundreds of approved third-party vendors to sell thousands of products on tsc.ca, with high vendor adoption
- **Developed custom Contentful plugins** that let the content team configure every aspect of site components without code changes, so updates go live on demand instead of waiting for end-of-sprint deployments
- Built reusable React, TypeScript and Tailwind components used across the entire site, translating Figma designs into consistent, screen-reader-tested UI
- Resolved dozens of Lighthouse performance findings through lazy loading, image compression and code splitting; **lazy-loading work recognized by the business team** for its impact
- Shortened PR review cycles and reduced fix requests by building to SonarQube and internal best-practice standards
- **Mentored and onboarded new developers**; represent front end in sprint planning and lead projects independently without manager or senior developer oversight
- Maintain and extend C#/.NET services, including internal gift card processing tools
- Built AI coding assistants into daily development work, increasing code output

Royal Bank of Canada — Toronto, ON
Developer (Co-op) — May 2019 – Aug 2019

- Built REST APIs in C# and .NET Core supporting internal application features and data access
- Created reusable API templates that standardized backend patterns and reduced duplicated code across the team

Technical Analyst (Co-op) — May 2017 – Aug 2017

- Built a Java webhook framework that automated build processes, removing manual CI steps for the team

- Rewrote technical documentation to standardize processes and speed up onboarding

Projects

adityajain.ca | Personal site — *React, Tailwind CSS, Cloudflare Workers*

- Built and deployed a personal portfolio and project hub on Cloudflare Workers, with a custom domain and email routing

Atlas Journeys | Travel planner — *github.com/adityajain13/TravelPlanner*

- Built an offline-first travel planning PWA as a self-hosted Wanderlog alternative using React, Vite, Tailwind CSS and IndexedDB (Dexie), with dark-mode OpenStreetMap maps, virtualized lists, shareable view/edit trip links and email-code login
- Built a Claude custom connector that lets an AI assistant modify trips, with user approval required for every change

Atlas New Tab | Firefox extension — *addons.mozilla.org/atlas-new-tab*

- Designed, built and published a Firefox new-tab extension on Mozilla Add-ons (v1.4.3) with Unsplash wallpapers, a multi-engine search bar, a customizable shortcut grid and a settings panel

VibeThing | Spotify Car Thing app — *github.com/adityajain13/VibeThing*

- Building a customized fork of the open-source GlanceThing app that runs a Spotify Car Thing as a connected display for a Windows PC, with self-managed versioned builds (v0.0.25)

Date Tracker | Web app — *React*

- Built a React app to log past dates and plan future ones, with separate view and edit access secured by email-code login

Spotify Genre Searcher | Desktop tool — *Python, Spotify Web API*

- Built an open-source Windows system tray app that monitors Spotify playback and opens genre lookups for liked songs, with device filtering to ignore phone and car playback

Education & Certifications

University of York | MSc Computer Science (Artificial Intelligence) — 2024

- Completed part-time online while working full-time; capstone: an AI-powered smart mirror that recommends outfits based on live weather

University of Windsor | BSc Computer Science — 2020

Certifications: Microsoft Azure Fundamentals (AZ-900), Microsoft Azure AI Fundamentals (AI-900)