Adam Chernitsky
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🌐 Personal Portfolio | 💻 GitHub

SOFTWARE ENGINEER

Full-stack software engineer experienced in **React, TypeScript, Ruby on Rails, and Node.js**. Proven track record of delivering high-quality web applications and building scalable backend systems. Strong communicator with a passion for learning, collaboration, and creating tools that enhance user experience. Avid sports fan and gamer who thrives in fast-paced, relationship-driven environments.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Ruby, C#

- **Frameworks/Libraries:** React, Ruby on Rails, Node.js, Express, Playwright

- **Tools/Technologies:** PostgreSQL, Firebase, HTML, CSS, Git, Chrome DevTools, Active Record, Visual Studio, Grafana, Visual Studio Code

- **Other:** Web Scraping, RESTful APIs, Authentication, Agile/Scrum

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TECHNICAL PROJECTS

Canine Info App – GitHub | Demo
Built a responsive dog information portal with a **React + TypeScript** frontend and Rails backend.

- Developed a RESTful API using Ruby on Rails for managing dogs, comments, and users

- Integrated user authentication (JWT-based) across frontend and backend

- Designed UI components with React and TypeScript

- Built database schema using Active Record and PostgreSQL

Dog Breed Explorer – GitHub | Demo
Interactive single-page app for exploring dog breeds and their characteristics.

- Coded frontend in vanilla JavaScript, HTML, and CSS

- Built Rails API backend with endpoints for breeds and comments

- Implemented database models and associations using Active Record

Alumni Social App – [GitHub](#) | [Demo](#)
Social media platform allowing users to post updates and interact.

- Learned Node.js and built a backend with Express and PostgreSQL

- Developed frontend in React; deployed full stack app to Firebase

- Implemented user authentication, post/comment functionality, and responsive design

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EXPERIENCE

Software Engineer I
BillGo – Fort Collins, CO | *May 2020 – Jan 2025*

- Engineered and maintained web scrapers in C# for billing providers of all sizes—ranging from major utilities to niche platforms—and later contributed to modernizing the system using React, TypeScript, and Playwright, enabling real-time bill data access for thousands of users on BillGO's Prism app.
- Developed and maintained legacy web scrapers in C# by reverse-engineering HTML and network requests, and later helped transition to a React + TypeScript + Playwright-based scraping solution for greater scalability and stability.

- Used browser DevTools extensively to analyze dynamic content and automate data extraction

- Enhanced scraper reliability by debugging, logging, and adding error handling

- Collaborated cross-functionally with product and QA teams to deploy stable scraper updates
- Built and enhanced internal tooling with **C#**, delivering new capabilities and performance improvements that optimized engineering operations and saved the integration engineer team roughly 15 hours of manual work weekly—equating to thousands of dollars in annual time savings per engineer.
- Developed and implemented front-end features using React and TypeScript that added critical functionality to internal UIs, helping engineers more easily complete scraping tasks and overcome workflow blockers.
- Assisted in the training and onboarding of new Integration Engineers to ensure smooth team integration and knowledge transfer.

EDUCATION

Flatiron School – Denver, CO
Full Stack Web Development Program – Ruby on Rails & JavaScript | Oct 2019 – Jan 2020