Rowan Ashcroft Senior Svelte Developer

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PROFILE SUMMARY

- **Senior Svelte Developer** with **9 years** in front-end work, at **1Password** since 2022 on the **browser extension**, building the **inline autofill menu** and save prompts in Svelte for Chrome, Firefox, Safari and Edge.
- Hands-on with **Svelte 5**, **TypeScript**, **Vite**, the **WebExtensions APIs**, **Storybook**, **Vitest** and **Playwright**, plus **SvelteKit** for the extension's settings and onboarding pages.
- Deep experience in **runes-based state shared across extension contexts**, **shadow DOM isolation** on third-party pages and **keyboard-first menus**, and profiles every change on a **low-end Chromebook** before it ships.
- Works with the **Rust core, design, security and QA** teams, and agrees the **message contracts** between content scripts, the background worker and the UI before anyone writes code.
- Mentors **3 developers** on runes and component testing, leads the extension's **Svelte 5 migration working group**, and wrote its **guide to replacing slots with snippets**.

TECHNICAL SKILLS

Svelte & SvelteKit:	Svelte 5, runes, snippets, attachments, SvelteKit, transitions
Languages:	TypeScript, JavaScript, HTML, CSS, Rust (reading level)
State & Data:	$state classes, Svelte stores, context API, Zod, extension messaging, IndexedDB
Component Libraries & CSS:	Bits UI, Tailwind CSS, Storybook, CSS custom properties, shadow DOM styling
Testing Tools:	Vitest, Testing Library, Playwright, svelte-check, MSW
Build & Deploy:	Vite, pnpm, Manifest V3, GitHub Actions, Chrome Web Store and AMO releases
Web Vitals & Accessibility:	INP, Chrome DevTools Performance panel, Sentry, WCAG 2.2 AA, NVDA, VoiceOver

EDUCATION

Toronto Metropolitan University — **B.Sc. in Computer Science** — Toronto, ON · Sep 2013 to Apr 2017

WORK EXPERIENCE

1Password — **Senior Developer, Browser Extension** — Toronto, ON (remote) · Feb 2022 to Present

- Rebuilt the inline autofill menu as **24** Svelte 5 components inside a shadow root, with a snippet per item type so logins, cards and identities share one keyboard-navigable list.
- Replaced 17 writable stores with **$state** classes synced through the background service worker, ending the duplicate save prompts that had made up **19%** of extension bug reports.
- Cut the content script injected into every page from 310 KB to **96 KB** by lazy-loading the menu UI on first focus and dropping a date library the menu no longer used.
- Added **Playwright** tests that load the built extension against **140** saved sign-in page fixtures, so autofill breakages fail in CI instead of reaching support.
- Led the move of **180** extension components from **Svelte 4 to Svelte 5** with sv migrate and small reviewed batches, shipping every 2 weeks with no feature freeze.

ecobee — **Front-End Developer** — Toronto, ON · Jul 2017 to Jan 2022

- Built the energy history pages of the web portal in **Sapper** and Svelte 3 with server-side data loading, replacing a React page and cutting load time from 5.2 s to **1.8 s**.
- Rewrote the save flow of the thermostat schedule editor with server-side validation and clear error states, cutting failed schedule saves by **63%**.
- Set up **server-side rendering** and CDN caching for the public help pages, which took time to first byte from 1.1 s to **180 ms**.