

Mario Pereira

Full Stack Developer

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Experienced Software Engineer versatile in both front-end and back-end development, cloud infrastructure, and project management. With a solid background in QA testing, I excel at building robust, scalable, and efficient software solutions. Passionate about teaching, brainstorming system design, and automating processes to drive operational efficiency.

Work Experience

Software Engineer

Intuit | Aug 2023 – Present

- Developed ongoing tax software content and tax calculations in C#.
- Lowered the backlog of bugs, tasks and enhancements from 5xx+ to under 2xx and helped improve the team's backlog score significantly.

Full Stack Software Engineer

Paystone | Aug 2022 – Apr 2023

- Spearheaded Cypress E2E testing implementation for the Paystone application, while identifying 30+ UI bugs.
- Led a major initiative to modernize a legacy reporting dashboard, transitioning to a new platform using React and styled-components, resulting in a ~30% reduction in page load times.
- Contributed to the application reskinning during a rebranding effort, implementing new components and styling.
- Improved React components with improved logic, functionality, performance, and user experience, improving app responsiveness by ~10-15%.
- Played a pivotal role in updating and improving legacy payments code and developing internal tools for on-call engineers.
- Advocated for the improvement of Cypress in the development workflow, enhancing maintenance and usage.
- Utilized MongoDB, TypeScript, AWS/GCP cloud functions & App engine routes, React, styled-components, Cypress, and Jest.

Software Developer

Intuit | Jan 2022 – Aug 2022

- Developed a PowerShell utility software that automated a daily ~1-hour manual process, reducing the time to a single click for 10-15 team members.
- Led the initiative to overhaul an internal tool using React and PDFJs that significantly improved tax form creation time by 60% over the old tool.
- Automated QA 50+ test cases, resulting in a 30% reduction in testing time/manual QA efforts.
- Diagnosed software payload errors utilizing Splunk and Postman, reducing error rates by 20%.

Tax Forms Specialist / Quality Assurance

Intuit | Aug 2019 – Jan 2022

- Contributed to the development of the ProTax filing suite, involving tax research, algorithm implementation, bug identification, and software quality assurance.
- Cataloged and updated over 400+ tax forms for tax years 2019, 2020 and 2021.
- Created and documented over 700+ manual QA workflows/test cases to test all major tax forms in predictable manner.

Projects

Grocery price compare crawler (In progress-Will demo on request)

- Currently working on an app to crawl and compare 30+ grocery store prices (2000+ locations) across Canada and present them to the user as a way to save on grocery bills.
- Skills gained: Web scraping, SQL, Prisma ORM, self hosting, improving code efficiency
- Stack: Node, Cheerio, Puppeteer, Axios, React, Docker, MySQL, Prisma/Drizzle ORM

CommunityFocus

- Led a 20-member group project (2-3 months) to build a shared time management app using websockets to sync events between clients.
- Skills gained: Mentoring, Code reviews, Issue writing, project management.
- Stack: React, TypeScript, MongoDB, Expressjs, Socket.io and styled-components.
- Link: communityfocus.app | github.com/CommunityFocus

100Editors

- Built a shared text editor game for a 2-week hackathon where users type a story based on validation rules.
- Stack: Nextjs, React, TailwindCSS, WebRTC, Quill and Yjs.
- Link: 100editors.vercel.app | github.com/web-dev-cody-hackathon/100editors