

Mario Pereira

nikhilpereira125@gmail.com | 647-668-7184 | [linkedin.com/in/nikhilpereira25/](https://www.linkedin.com/in/nikhilpereira25/) | nmpereira.com

Experienced **Software Engineer** in **Fin-tech** and versatile in **front-end** and **back-end** development, and vast experience with technologies like **Javascript**, **Typescript**, **React.js**, **Sass**, **Node.js**, **Python**, **databases**, **testing**, **docker**, **deployment**, and **AWS**.

Work Experience

Software Engineer, Intuit

Aug 2023 – Present

- Built **highly scalable, well-tested** tax software applications using **C#, Java, React.js**, and **PostgreSQL (RDBMS)**.
- Achieved comprehensive **test** coverage across multiple codebases in **Java** and **C#**.
- Developed and deployed **maintainable** internal tools using **React.js** and **PostgreSQL**, enabling tax analysts to create and update tax forms and **optimizing** form development **output** by **40%**.
- Acted as a **technical subject matter expert** and developed technical **documentation** enabling teams to solve **design** issues and **mentored** fellow engineers by **improving onboarding time** from **8 weeks** to **3 weeks**.

Full Stack Software Engineer, Paystone

Aug 2022 – Apr 2023

- Delivered product improvements using **JavaScript**, **TypeScript**, **Python**, **AWS**, **GCP**, **React**, **MongoDB (NoSQL)**, **Cypress**, **Jest** and **Sass (CSS)**.
- Contributed to the development of Paystone's **integrated payment processing** and **customer engagement platform**, **enhancing features** such as gift card and loyalty program management, and implementing **secure, efficient** payment solutions for merchants and end users.
- Led a major initiative to modernize a legacy **reporting dashboard** by collaborating with **designers** and **product managers**, to transition to a new platform using **React** and **GraphQL**, resulting in a **30% faster** page load times.
- Spearheaded **Cypress E2E testing implementation** for the Paystone app, while identifying **30+ UI** bugs.
- Improved **React components** with optimized logic, performance, and **UI/UX**, improving app responsiveness by **20%**.

Software Developer, Intuit

Aug 2019 – Aug 2022

- Developed a **Python** software that **automated** a manual **1-hour** process to a single click for **10-15** team members.
- **Shipped** an **overhauled** internal tool using **React** and **PDFjs** that improved tax form creation time by **60%**.
- Automated **QA 50+ test** cases, resulting in a **30%** improvement in **testing** time/manual **QA** efforts.
- Diagnosed software payload errors utilizing **Splunk** and **Postman**, and improved error rates by **20%**.

Tax Forms Specialist / Quality Assurance, Intuit

- Contributed to the development of the ProTax filing suite, involving tax research, **algorithm implementation**, bug identification, and software quality assurance.
- Created **documentation** for over **700+ QA** workflows/test cases to **test** all major tax forms in a predictable manner.

Projects

Grocery price compare crawler (private & in progress – will demo on request)

- Created a price comparison app for users to save on groceries by **web scraping** and **crawling** **10+** grocery store brands in over **2,000+** locations across Canada using **real-time data**.
- **Architected** pipelines from **data cleaning** to using efficient **algorithms** to store and serve **data** to the end user.
- Used **OpenAI/LLama AI** models to derive critical and actionable insights, providing the user with enhanced value.
- Monitoring (**New relic**), Deployment (**Github actions**, **Docker**)
- Skills gained: **Web scraping**, **SQL**, improving code efficiency, **UI/UX design** with **Figma**
- Stack: **Node**, **Cheerio**, **Puppeteer**, **Axios**, **React**, **Docker**, **MySql**, **Prisma/Drizzle ORM**, **OpenAI models**, **AWS: S3, EC2**

CommunityFocus | communityfocus.app | github.com/CommunityFocus

- Created a time management app with team of **10+** developers using **WebSockets** to sync events between clients that helped improve study habits of over **2000** users/students and neurodiverse community
- Skills gained: **Mentoring**, **Code reviews**, **Issue writing**, and project management.
- Stack: **React**, **TypeScript**, **MongoDB**, **Expressjs**, **Socket.io** and styled-components.

100Editors | 100editors.vercel.app | github.com/web-dev-cody-hackathon/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**.