Justin Tieu

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# Skills

**Programming Languages:** TypeScript, JavaScript, PHP, Python, Bash, Java, HTML, CSS.

**Frameworks:** React, Next.js, Node.js, Laravel, Django, FastAPI.

**Cloud, CI/CD and monitoring:** Docker, AWS (CloudFront, EC2, S3, Lambda), GitHub Actions, Grafana.

**Databases:** MySQL, PostgreSQL, MongoDB, Redis.

**Others:** Redux, React Testing Library, Playwright, Webpack, Jest, Vitest, GraphQL.

# Professional Experience

## AgencyAnalytics, Toronto, ON 10/2022 – Present

**Frontend Developer**

* Developed and delivered the frontend architecture for the multi-factor authentication project on the AgencyAnalytics app, ensuring security while maintaining design consistency.
* Consistently delivered features and resolved tech debt with zero critical bugs through extensive E2E and unit tests with a minimum of 90% test coverage.
* Aligned stakeholder expectations by transforming technical requirements to business goals through an open communication channel.
* Proactively prioritized and resolved bug tickets during two week sprints, improving customer satisfaction and reduced bug resolution time by 33%.
* Proposed a code splitting proof-of-concept to reduce initial page load times on developer environments by 10%.
* Conducted code reviews and mentored a junior developer in professional career growth through 3 planned 1-on-1 sessions.

## Scotiabank, Toronto, ON 07/2021 – 09/2022

**Software Engineer I**

* Developed and maintained payment creation and approval applications for corporate banking using React, Redux Toolkit, and CSS.
* Co-led a team of 4 to deliver end-to-end payment creation and approval applications with extensive error handling, ensuring a high reliability in application function.
* Developed a solution to display popups on exits during critical flows which enabled usage in 15+ micro-frontend applications.
* Actively contributed 10+ times on Scotiabank’s standard UI components library to enhance the user’s and developer’s experience and interaction.
* Worked closely with stakeholders to implement required and suggested features, while discussing limitations and proposing solutions.
* Wrote more lines of code for tests than for features using React Testing Library and Jest.

# Projects

## AgencyAnalytics Hack-a-thon 10/2023 – 10/2023

* Planned and developed a translation hook, integrated with Google translation, to provide real-time translations to users in 50+ languages.

# Education

## York University, Honours Bachelor of Engineering, Software Engineering 09/2017 – 04/2021