

Wilton Ngo

Senior Software Developer

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SUMMARY

Senior software developer with 8+ years building accessible, high-scale web applications in the JavaScript and React ecosystem. Owned the engineering behind a public works solution now used by 30+ municipalities, re-architected a data service to cut API load by over 99%, and drove a platform-wide WCAG 2.2 AA compliance effort to completion in a single quarter. Comfortable owning ambiguous product work end to end and raising the technical bar for the teams around me.

EXPERIENCE

Senior Software Developer

GEOTAB | Feb 2020 - May 2026 | Full-Time

- Re-architected a scheduled GeoJSON ingestion job to issue one API call per service group instead of per road segment, cutting calls from **10,000+** to **<10 per run (>99% reduction)** and eliminating the rate-limit throttling that degraded reliability for large municipalities.
- Owned end-to-end engineering of **Citizen Insights**, GEOTAB's public works 511 platform — driving engineering across a team of 4 while partnering with 2 product owners and 2 designers to grow adoption to **30+ municipal customers**, including one rendering **100,000+ road segments**. Built the public site and admin panel with Mithril.js, RxJS, and Mapbox GL JS.
- Drove a **WCAG 2.2 AA** accessibility compliance initiative to full platform conformance in a single quarter, using axe, Lighthouse, and screen-reader testing — and established the accessibility patterns the team continues to build against.
- Extended GEOTAB's rules engine to support street-sweeper Material Management telemetry — modeling new actions like total material collected and water used per trip — and shipped the Tymco pilot to production for opt-in customers, establishing the pattern for onboarding new vehicle classes.
- Mentored **6+** engineers through onboarding, code review, and the Redux action-reducer architecture of GEOTAB's core React platform.

Freelance Software Developer

Nexus Massage & Rehab | Jun 2026 - Present | Contract

- Built automated UI-update tooling that cut recurring content-deployment work by **~10 hours/week**, eliminating recurring manual work.

Teaching Assistant

Trilogy Education Services | Feb 2019 - Feb 2020 | Contract

- Mentored **100+ students** through the University of Toronto Full-Stack Developer program — supporting a **~95% completion rate** through code review, debugging, and teaching responsive design and software design patterns.

Front-End Developer

Connex Telecommunications | Sep 2016 - Aug 2018 | Full-Time

- Delivered Rogers' **Today's Shopping Choice** IVR self-serve application, serving **1.5M+ active weekly users**, shipping the FAQ, gift-card flow, and size/style selection feature.
 - Led team-wide adoption of Git, moving the team to modern version-control and review workflow.
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TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SASS/SCSS, SQL

Frameworks: Node.js, React, Redux, Mithril.js, RxJS, Mapbox-gl-js, Tailwind CSS, .NET

Testing & A11y: Jest, Selenium, TestCafe, axe, Lighthouse, Screen Readers

Infrastructure & Tools: Git, JIRA, npm, GCP, Firestore, Vault, Docker, Postgres

EDUCATION

Software Development and Network Engineering (Co-op)

Sheridan College, Oakville, ON | Graduated 2016