

TYLER NGUYEN

Seattle, WA | 206-412-8332 | tynguyen06@gmail.com | [linkedin.com/in/tyler-nguyen](https://www.linkedin.com/in/tyler-nguyen)

Full stack engineer with 8+ years of experience designing high-performance web and mobile applications in FinTech and warehouse management. Expert in React, Node.js, and AWS, with a track record of modernizing legacy systems, leading architecture initiatives, and delivering scalable solutions that improve performance and enhance user experience.

TECHNICAL SKILLS

Frontend: TypeScript, JavaScript, React, Redux Toolkit, RTK Query, React Query, React Hook Form, React Native, Expo, HTML5, CSS3, CSS Modules, Sass, Next.js, Tailwind, Meteor.js

Backend: Node.js, Express, Python, Flask, RESTful APIs, gRPC

Databases: MongoDB, MySQL, PostgreSQL, Microsoft SQL Server

DevOps: AWS (S3, Lambda, EC2, Cognito, CloudWatch), Docker, Kubernetes

Testing: Jest, React Testing Library, Vitest, Playwright

Tools: Git, Vite, Webpack, GitHub Copilot, Cursor

PROFESSIONAL EXPERIENCE

Software Engineer — CAPX

Seattle, WA | Dec 2022 – Feb 2026

- Led the modernization of a legacy lender platform by migrating from Meteor to **React**, **Node.js**, **Express**, and **Vite**, reducing build times by 60% and improving developer velocity.
- Led architecture meetings to align frontend and backend teams on database schema optimizations and API contract design, improving data consistency, scalability, and cross-team development velocity.
- Developed a reusable React component system in close collaboration with designers using Figma, ensuring consistency, accessibility, and scalability.
- Architected a multi-step form wizard with conditional workflows and financial debt-capacity calculations using **React Hook Form** and **Radix UI**.
- Designed and built an end-to-end partner referral platform enabling registration, agreement signing, and deal submissions, with an admin dashboard tracking referrals through payment, contributing to \$5M+ in lending deal flow.
- Implemented secure document upload using **AWS S3** and **Lambda**, including serverless file zipping to optimize bulk downloads.
- Increased system quality by writing **unit**, **integration**, and **end-to-end tests** using Vitest and Playwrights, reducing manual regression testing and production defects.
- Mentored junior engineers on coding standards, debugging, and system design, reducing recurring bugs and accelerating feature delivery across the team.

Software Engineer — Coolearth Software

Seattle, WA | Sep 2017 – Aug 2022

- Developed and maintained multiple web and mobile applications supporting warehouse management, QA/QC, and ERP integrations.
- Built a **React Native** mobile WMS app, translating **Figma** prototypes into production-ready features and reusable components.
- Implemented **gRPC-based communication for a React Native WMS mobile application**, integrating TypeScript clients with C# backend services to provide strongly typed, low-latency API interactions for warehouse operations.
- Designed and integrated industrial scale hardware into a production reporting web app with real-time monitoring.
- Developed APIs and scheduling algorithms to generate optimized pallet picklists for a robotic crane system.
- Improved performance of a data-heavy admin dashboard by implementing server-side pagination and database indexing, reducing load times by approximately 50% for large datasets.
- Implemented **role-based access control** and dynamic menu systems.

Web Developer — Conflare

Seattle, WA | Oct 2016 – Aug 2017

- Developed responsive, cross-browser websites from design mockups using HTML, CSS (**Sass**), JavaScript, and **Bootstrap**.
- Collaborated closely with designers to deliver pixel-perfect, mobile-friendly user interfaces.
- Improved build workflows by implementing **Gulp** for asset compilation, minification, and cache busting.
- Debugged and resolved frontend issues using Chrome DevTools and BrowserStack.
- Implemented client-side form validation and AJAX-based submissions.

EDUCATION

B.S. in Electrical Engineering
University of Washington Bothell
Minor: Mathematics