

JANE ZHANG

Frontend Engineer • Toronto, ON

+1 (647) 886-2162

jane.zhenying.zhang@gmail.com

 [Zhenying \(Jane\) Zhang](#)

 [byjanezhang.com](#)

TECHNICAL SKILLS

- **Frontend:** TypeScript, JavaScript, React, Next.js, React Native, Vue, React Query, HTML, CSS, Storybook
- **Backend & Cloud:** Node.js, Express, SQL, REST APIs, AWS, GCP, Supabase, Docker, GitHub Actions
- **AI & Quality:** LLM APIs, structured output validation, Jest, Vitest, React Testing Library, Cypress

PROFESSIONAL EXPERIENCE

KOLENA

Toronto, ON

Frontend Engineer

Jan 2024 - Jul 2024

- Developed customer-facing workflows for dataset and model-result exploration using Next.js, custom React hooks, and React Query
- Built data-intensive analytical views with AG Grid and collaborated with Python backend engineers on version-aware data workflows
- Rotated as the frontline engineer, managing deployments, triaging production alerts, and handling customer inquiries during assigned rotations

LITHIC

Toronto, ON

Software Engineer II

Jan 2023 - Mar 2023

- Developed a browser extension using Vue, Pinia, and TypeScript that detects checkout forms and autofills payment details from a user-selected Lithic virtual card
- Implemented cross-browser support for Chrome, Firefox, Edge, and Safari
- Wrote end-to-end tests using Cypress, and component and UI tests using Vitest and Storybook

FINTELICS | AXIA GLOBAL

Toronto, ON

Full Stack Engineer & Technical Lead

Jul 2019 - Dec 2022

- Led 6 developers delivering React web applications, React Native mobile applications, and Node.js/Express REST APIs; helped grow the engineering team from 4 to 18 members
- Mentored 5 new hires into product owner roles and participated in hiring, planning, and cross-functional delivery
- Automated web and mobile build and release workflows using AWS CodePipeline, S3, CloudFront, GitHub Actions, and fastlane
- Implemented authentication with AWS Cognito and Amplify and shipped mobile releases through the Apple App Store and Google Play

SELECTED ENGINEERING PROJECTS

Heavy Legs Club | Next.js, localStorage, i18n, @dnd-kit

Apr 2025 - Present

- Built a local-first running planner with responsive plan editing, confidence-based parsing of unstructured workouts, and dynamic pace calculations validated against golden test fixtures

Resilient MV3 Processing Pipeline | Chrome Extension, TypeScript, ffmpeg

May 2026 - Jun 2026

- Designed a multi-context architecture using a service worker and offscreen document to support reliable, long-running client-side processing under Manifest V3 lifecycle, IPC, and memory constraints

AI Notes Cleaner | Next.js, Gemini, Zod

Jan 2026

- Developed a privacy-first AI workflow that validates structured LLM output before rendering and explores few-shot personalization without storing user notes or requiring accounts

EDUCATION

UNIVERSITY OF WATERLOO

Waterloo, ON

BMATH | Graduated with Distinction

Sep 2014 - Apr 2017

Double Major: Honours Mathematical Finance & Honours Statistics