

# Kevin Zhang

Full Stack Software Engineer

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## 📁 WORK EXPERIENCE

### Frontend Developer @ Shopify

Oct 2021 – May 2023 | Remote, Canada

- Increased concurrent media uploads to Shopify's files page from 25 to 250 by improving React rendering efficiency through virtualization
- Championed frontend efforts to migrate metaobject content entries page to use a new unified index filtering experience from Shopify's design system [Polaris](#)
- Built custom composable React UI components for saved searches and filtering in customizable File Picker component
- Lead frontend efforts around development of the Shopify [Files GraphQL API](#) resulting in the support of videos and improved [fileUpdate](#) functionality in the Shopify Admin

### Systems Integration Lead @ Municipal Property Assessment Corporation

Feb 2020 – Oct 2021 | Pickering, Ontario

- Lead team of 3 intermediate developers to design, architect, and develop end-to-end GIS application for the government of Ireland
- Worked with AWS Cloud suite to design and integrate SAML / OAuth authentication and authorization across all internal enterprise applications
- Migrated 2 legacy Angular code bases to React resulting in about a 30% reduction in code
- Built out initial Jest and React Testing Library test suites to newly ported React code bases
- Lead Typescript adoption project and re-typing of pre-existing legacy Angular code

### Systems Developer @ Municipal Property Assessment Corporation

May 2019 – Feb 2020 | Pickering, Ontario

- Created and developed a geographic information system (GIS) tool using Mapbox and React
- Deployed and designed an enterprise search microservice using React and Elasticsearch to search and index company-specific resources and all assessable properties in the province of Ontario
- Mentored and conducted rigorous code reviews for junior and co-op developers

### Teaching Assistant @ University of Toronto Scarborough

Jan 2019 – Apr 2020 | Scarborough, Ontario

- Prepared and taught tutorial lessons for [CSCB20](#) (Introduction to Databases and Web Development) and [CSCC01](#) (Introduction to Software Engineering) with professors Abbas Attarwala and Ilir Dema
- Developed [tutorial course material](#) for CSCB20
- Managed and presented classroom sessions to 60+ students
- Graded and assessed work ranging from quizzes, assignments, and examinations

### Junior Systems Developer @ Municipal Property Assessment Corporation

May 2017 – Apr 2018 | Pickering, Ontario

- Maintained and developed internal business web applications using Angular, Postgres, Groovy, and Spring Boot
- Developed and tested applications on cloud environments using AWS suite, Docker, and Kubernetes

## 🎓 EDUCATION

### University of Toronto Scarborough

Honours Bachelor of Science  
Specialist in Computer Science

## ⚙️ TECHNICAL SKILLS

### Programming Languages

Javascript, Typescript, Python, Ruby, HTML, Java, Go

### Frameworks & Libraries

React, Angular, Node.js, GraphQL, React Native, Ruby on Rails, Spring Boot, RxJS, Next.js, Express, Remix, Django, Flask, Heroku, Tailwind CSS, Mapbox

### Tooling & Platforms

Apollo, AWS, Google Cloud Suite, Redux, Elasticsearch, Storybook, SQL, Postgres, MongoDB, Docker, Kubernetes, Vite, Git

### Design

Figma, Photoshop, Illustrator, Lightroom, Premiere, After Effects

### Languages Spoken

English, Mandarin

## ★ INTERESTS

Music, film, photography, machine learning, graphic design, video games