

# Kaoru Tsumita

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## SUMMARY

Full Stack Software Developer focused on building intuitive, user-friendly web applications. Experienced in end-to-end development with TypeScript, React, Next.js, and Node.js. Passionate about bridging the gap between technology and people through thoughtful, accessible, and scalable design. Former IT analyst with a background in system integration and cross-functional collaboration, bringing a strong foundation for secure and user-centered development

## TECHNICAL SKILLS

**Proficient with:** JavaScript (ES6), TypeScript, React, Next.js, Node.js, Express.js, PostgreSQL, MongoDB, Git  
**Working knowledge of:** AWS (S3, Lambda, API Gateway), Google Cloud Storage, Tailwind CSS, Python, OAuth, JWT, Prisma, Zod, Vitest, Cypress, Pytest, REST APIs, Agile, accessibility, SEO, Figma

## EXPERIENCE

- Software Developer** Sep 2023 – Present  
*Freelance* - TypeScript, Next.js, NextAuth, Tailwind CSS, MongoDB, Prisma, Zod *Remote* - Toronto
- Designed and developed custom CMS with responsive frontend and REST API backend
  - Secured admin dashboard with authentication using NextAuth and middleware-based route protection
  - Delivered rich UX with image zoom, dynamic gallery, chip filters, smooth animations, and infinite scroll
  - Improved performance, SEO, and accessibility with SSR, Lighthouse audits, and screen reader testing (**30%** faster)
  - Set up CI/CD pipelines with GitHub Actions; tested with Vitest and Cypress, and added automated S3 backups and monitoring with Sentry — saving **70%** of operation time
- Software Developer** March 2023 – Aug 2023  
*multiplAI* - Python, Flask, pytest, AWS(S3, EC2, Lambda, RDS, API Gateway, ElastiCache) *Remote* - Toronto
- Developed REST API with Python and Flask on AWS Lambda (serverless framework), tested with pytest and API mocks with over **90%** coverage
  - Implemented ElastiCache deduplication for cron-based data processing, integrated with ML models and scraping pipeline running on EC2
  - Collaborated cross-functionally to prioritize features and drive product-aligned enhancements
- IT Analyst** June 2014 – May 2018  
*Tokyo University of Science* - Salesforce, box, JavaScript, PHP, MySQL *Tokyo, Japan*
- Reduced internal approval processing **from days to less than 10 minutes** minutes by digitizing workflows with JavaScript and automating validation
  - Implemented SSO across Azure, Salesforce, and Box using SAML 2.0, enabling seamless cross-system login and reducing average login time **by 67%**
  - Coordinated with vendors and customized an account automation system, enabling automation for 25,000+ users and reducing maintenance workload by **by 85%**

## PROJECTS

- Dokodemo Card** | [Live Demo](#) | [Client Repo](#) | [Sever Repo](#) August 2024  
*React, Node.js, Express, Styled-components, PostgreSQL, Auth0 (OAuth 2.0 / OIDC), Vercel, Fly.io* *Toronto*
- Little Libraries** | [Live Demo](#) | [Client Repo](#) | [Sever Repo](#) November 2022  
*React, Node.js, Express, PostgreSQL, JWT, Google Maps API, Firebase Cloud Storage, Netlify, Fly.io* *Toronto*

## CERTIFICATIONS

- AWS Certified Cloud Practitioner - Amazon Web Services (AWS)** June 2023
- Certified Linux Administrator LPIC-1 - Linux Professional Institute** June 2021

## EDUCATION

- Lighthouse Labs, Full stack web development** January 2022  
*Diploma of Web Development* *Toronto*
- Nihon Engineering College**  
*Diploma Concert and Event Production* *Tokyo, Japan*