

Kaoru Tsumita

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TECHNICAL SKILLS

Proficient with: JavaScript (ES6), TypeScript, Node.js, React, Next.js, SQL, PostgreSQL, MySQL, Tailwind CSS, HTML5, CSS3, Git, GitHub

Working knowledge of: MongoDB, AWS (S3, EC2, Lambda, RDS, API Gateway), Google Cloud Storage, Linux (Ubuntu), OAuth, OpenID Connect (OIDC), JWT, NextAuth, GitHub Actions, Sentry, Prisma, Zod, Vitest, Cypress, Pytest, unit testing, integration testing, end-to-end (E2E) testing, mocking, coverage analysis, RESTful APIs, CRUD operations, server-side rendering (SSR), component-based architecture, Agile, accessibility, SEO, Figma, Google Analytics

EXPERIENCE

Software Developer

Sep 2023 – Present

Freelance - TypeScript, Next.js, Tailwind CSS, MongoDB, Amazon S3

Remote - Toronto

- Built custom CMS with responsive frontend and REST API backend using Next.js, TypeScript, Tailwind CSS, Prisma, Zod, and MongoDB
- Secured admin dashboard with authentication using NextAuth and middleware-based route protection
- Delivered rich UX with image magnification, infinite scroll, and **30%** faster load times via lazy-loading
- Developed CI/CD workflows with GitHub Actions for automated testing (unit, integration, E2E) using Vitest and Cypress, with mocking and coverage tracking
- Integrated full-stack monitoring with Sentry and automated versioned backups to Amazon S3
- Improved SEO and accessibility using Lighthouse, WAVE, and manual screen reader testing

Software Developer

March 2023 – Aug 2023

multplAI - 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 submission process time for internal digital approvals system **from days to less than 10 minutes** with JavaScript-based workflow digitization project, through automation of manual processes and reducing human errors with automated validation
- Customized and implemented system automation and access management to maintain **25,000 internal user accounts**, reducing the maintenance workload **by 85%**
- Significantly improved user experience, reduced average cross-system login time from 90 seconds to 30 seconds by implementing in-house Single Sign On (SSO), supporting seamless login for three cloud system (Azure, Salesforce, Box), saving users an aggregate of **100 hrs/day**

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