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, 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, NextAuth, 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 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 external vendors and directed customization of an existing account automation system to fit internal needs. Managed requirements and data delivery, enabling automation for **25,000+ accounts** and reducing maintenance workload **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*