Yiming Xiao (Sean)

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Summary

Versatile senior software engineer with 7+ years of experience in full-stack development, specialising in the JavaScript/TypeScript ecosystem. Proven track record of architecting and delivering scalable solutions using React, GraphQL, various backend frameworks, and AWS services. Demonstrated success across both fast-growing startup and mature enterprise environments, combining technical expertise with leadership and mentoring capabilities. Known for maintaining high-quality standards while driving innovation in development processes.

Work Experience

Design.com   Jun 2024 - Present

Senior Fullstack Engineer   Sydney, NSW

- Developed features to edit design elements on HTML canvas using **Fabric.js**, and integrated features with frontends written in **Vue.js** and **Nuxt**.
- Created tools for Admin to manage design elements including layers, fonts, and shapes, which are highly liked by our curation team.
- Built backend services in **C#**, with databases in **Microsoft SQL** and **PostgreSQL,** and integrated with **AWS** services like **Lambda** and **S3**.
- Implemented E2E tests with **Vitest** and **Playwright**.
- Involved in building internal UI component library using **Vue.js** and **Tailwind CSS**.

Reckon   Aug 2021 - Jun 2024

Senior Software Developer   Sydney, NSW

- Built an **Apollo GraphQL** mono-repo service as a layer between Reckon's multiple backends (in **C#** and **Node.js**) and new frontend projects. Managed the mono-repo using **Pnpm**. Wrote related unit tests using **Jest.**
- Contributed to an open-source library - fixed a bug in **Apollo GraphQL**.
- Worked on Reckon's web apps, such as Payroll and Books Switcher, with **Next.js**, **Storybook**, and Reckon's Balance **Design System**, and refactored old code to optimise performance.
- Integrated **GQL** with **AWS** services such as **Parameter Store**, **CloudWatch**, and **SES**.
- Guide junior members on **front-end** and **GraphQL** development.

Inugo Systems Limited   Dec 2021 - Sep 2022

Contract Developer (after-hours)   Auckland, NZ

- Built a web payment app for non-registered users from scratch. Stacks include: **Vite**, **React**, **TypeScript**, **MUI**, and **Node.js**. Integrated with **Mapbox** and **Windcave online payment.** Over 80% customers chose to use this payment method in initial product trials.

- Worked on the Inugo Kiosk app - a parking app running on a Linux kiosk. Refactored the **React** front end and added features to it. Developed **REST** and **GraphQL** APIs to support the app.

Motion Design Limited   Oct 2020 - Jul 2021

Software Developer   Auckland, NZ

- In charge of building a **native Android app** for the client to improve its workflow. E.g. doubled the truck loading speed. This app heavily relies on libraries such as **ReactiveX (RxKotlin)**, **Epoxy**, and **Dagger**.
- Worked in the related backend in **Kotlin/Java.**
- Reviewed frontend work in **React** and **TypeScript**.

Inugo Systems Limited   Dec 2017 - Oct 2020

Full Stack Developer   Auckland, NZ

- Inugo is a **start-up** offering parking access and management systems, exposing me to opportunities to learn various up-to-date technologies under an **agile** software development approach.
- Led the development of a **native Android app** (in **Kotlin**) for third-party installers to set up our hardware on car park gates. Features include a map (**Mapbox**) to show site locations, a guide to show installation instructions step by step, a real-time chart to show Bluetooth signal strength, etc. Built this app from scratch and contributed 90% of the code.
- Collaborated with the Dev Team Lead to build a new portal website using **React** and **React Hooks**, for our clients to manage their car parks and customers. Various libraries and features are implemented:
  - Tables to demonstrate parking data using **React Table**.
  - Forms to edit and display parking site information with **Formik**.
  - **React-Google-Maps** to draw site borders and automatically generate buffer zones by **Turf.js**.
- Developed backend for our website and apps with **Node.js**, **RESTful API**, and **MySQL**. Used **Knex.js** to build **SQL** queries.
- Integrated **Apollo GraphQL** to both the backend and frontend.
- Managed the cloud infrastructure on **AWS** including code deployment via **Elastic Beanstalk** and **Lambda microservices**. Cut the monthly cost by around 20%.
- Worked under **Docker**ised environments. Used **Docker Compose** for orchestration.
- Maintaining the old website and app using **AngularJS**.

KPMG   Oct 2015 - Jan 2017

Auditor   Shanghai, China

- Involved in interim and final audit, and delivered the financial reports to clients.

Education

Auckland University of Technology   Feb 2017 - Dec 2017

Graduate Diploma in Computer and Information Sciences   Auckland, NZ

University of Nottingham   Sep 2013 - Dec 2014

Master of Science in Corporate Finance (with Merit)   Nottingham, UK

University of Nottingham   Sep 2009 - Jul 2013

Bachelor of Arts in International Business Management (with Honours) Ningbo, China

Other

- AWS Certified Developer - Associate