Sicong (Kevin) Jiang

TECHNICAL SKILLS

Certified AWS Certified Solutions Architect Associate Experienced JavaScript, TypeScript, AWS, Node.js, Java

Intermediate React, Terraform, Python, Postgres, Docker, MongoDB, Linux

Novice Go, LaTeX, Kubernetes

EDUCATION

University of Wisconsin - Madison

2013 - 2016

Bachelor of Science, Computer Science Madison, Wisconsin, USA

• Major: Computer Science

• Related Coursework: Algorithm & Data Structures, Operating Systems, Networks, Computer Vision, Computer Graphic, Artificial Intelligence, Mobile App Development

EXPERIENCE

Spark New Zealand

Dec 2021 - Now Auckland, NZ

Software Engineer Auckland, NZ

• Member of a larger mobile app squad (chapter) that's responsible for the Spark mobile app (iOS & Android), contribute to **server-driven UI** delivered through **RESTful API** in **Node.js** and **TypeScript**

- Primary code contributor for revamped roaming data usage experience in Spark mobile app
- Migrated legacy JavaScript code to TypeScript

Institute of Data Jul 2022 - Dec 2022

Assistant Trainer (Part Time)

Remote, NZ

- Worked as an assistant trainer for Software Engineering course and mentored students on relevant technical topics.
- Designed and delivered labs on HTML, CSS, JavaScript, React, MongoDB and AWS to facilitate student's understanding on relevant topics.

Invenco Apr 2021 - Dec 2021

NodeJS developer

Auckland, NZ

- Worked on a multi-tenant SaaS platform that manages IoT devices, utilizing Node.js and Angular JS
- Migrated legacy code base from **Java** to **NodeJS**. Improved performance by 60%
- Supported and mentored junior members of the team

Crimson Education

Oct 2019 - Apr 2021

Auckland, NZ

Full Stack Software Engineer

- Delivered multiple multi-locale marketing websites using **React**, **Typescript**, **Gatsby** and StoryBlok (Headless CMS), reducing page load time by 60%.
- Designed and implemented RESTful API and infrastructure solution for custom digital classroom that includes video conferencing and e-learning capability using **Node.JS** (Express) and AWS managed infrastructure with **Terraform**.
- Led development of **Serverless** application on **AWS** using **Serverless** framework that ingest and analyze videos from Zoom cloud and archive in Google Drive
- Collaborated closely with stakeholders to prioritize requirements and led multiple projects at the same time.

Transportation Operations and Safety Lab, University of Wisconsin Madison Software Engineer

July 2016 - May 2019 Madison, WI, USA

- Utilized Java, JSP, JSF, Spring, Tomcat, Oracle SQL, JavaScript
- Delivered 511 travel time system, a **Spring** based **RESTful** web application for query and retrieve archived 511 travel time information from database.
- Enhanced real-time traffic exchange **SOAP web services** that aggregated and tracked incidents from different CAD system to IEEE 1512 compliant XML.
- Contributed to Truck Parking Management Information System, a system that used computer vision to provide parking space availability information in rest areas across different state through **RESTful** API.
- Attend stakeholder meetings with WisDOT to offer insights to future features and collect user feedback.