# 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

Software Engineer

Dec 2021 - Now

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.