# Sicong (Kevin) Jiang

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### **TECHNICAL SKILLS**

Certified **AWS Certified Solutions Architect Associate** JavaScript, TypeScript, AWS, Node.js, Java **Experienced** Intermediate React, Terraform, Python, Postgres, Docker, Linux

Novice Go, LATEX, Kubernetes

## **EDUCATION**

# University of Wisconsin - Madison

2013 - 2016

Bachelor of Science, Computer Science

Madison, Wisconsin, USA

- Major: Computer Science
- Programming Coursework: Algorithm & Data Structures, Operating Systems, Networks, Computer Vision, Computer Graphic, Artificial Intelligence

### EXPERIENCE

Institute of Data Jul 2022 - Now

Assistant Instructor (Part Time)

Remote, NZ

- Worked as an assistant trainer for Software Engineering course and taught software engineering to students with no technical background
- Took student attendance and grade assignments
- Designed and delivered labs on HTML, CSS, JavaScript, React, MongoDB and Postgres to facilitate student's understanding on relevant topics

Dec 2021 - Now Spark New Zealand Software Engineer Auckland, NZ

- Worked as a **server-driven UI** developer for the Spark mobile app (iOS & Android), creating **RESTful** API using Node.js and TypeScript
- Designed and implemented UI and aggregation layer for new subscription management in Spark mobile
- Migrated existing JavaScript code to TypeScript

Invenco Apr 2021 - Dec 2021

Node[S 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

Oct 2019 - Apr 2021 **Crimson Education** 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 back end 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**.
- Implemented pipelines on BuildKite to facilitate continuous integration, testing and deployment of code and infrastructure changes using AWS SQS and lambda.

- Led development of **Serverless** application on **AWS** using **Serverless** framework that ingest and analyze videos from Zoom cloud and archive in Google Drive
- Build, configured and migrate existing application from Heroku to **Kubernetes** service on **AWS** with **Terraform**
- Collaborated closely with stakeholders to prioritise 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.