

# Sicong (Kevin) Jiang

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## TECHNICAL SKILLS

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Certified

Experienced

Intermediate

Novice

**AWS Certified Solutions Architect Associate**

JavaScript, TypeScript, AWS, Node.js, Java

React, Terraform, Python, Postgres, Docker, Linux

Go,  $\LaTeX$ , Kubernetes

## EDUCATION

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**University of Wisconsin - Madison**

*Bachelor of Science, Computer Science*

2013 - 2016

*Madison, Wisconsin, USA*

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

## EXPERIENCE

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**Institute of Data**

*Assistant Instructor (Part Time)*

Jul 2022 - Now

*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

**Spark New Zealand**

*Software Engineer*

Dec 2021 - Now

*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 app
- Migrated existing **JavaScript** code to **TypeScript**

**Invenco**

*NodeJS developer*

Apr 2021 - Dec 2021

*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**

*Full Stack Software Engineer*

Oct 2019 - Apr 2021

*Auckland, NZ*

- 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**

July 2016 - May 2019

*Software Engineer*

*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.