Sicong (Kevin) Jiang

✉ kevin.jiangsc@gmail.com • ☐ +64 28 429 1741 • *Auckland, New Zealand*

in KevinSJ • 🏠 jiangsc.me • 🐙 KevinSJ • 🜉 KevinSJ

TECHNICAL SKILLS

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

Spark New Zealand   Dec 2021 - Now
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 app
- Migrated existing **JavaScript** code to **TypeScript**

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
Full Stack Software Engineer   *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.