

# Sicong (Kevin) Jiang

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## TECHNICAL SKILLS

**Certifications:** AWS Solutions Architect Associate  
**Languages:** JavaScript, TypeScript, Python, Bash, Node.js, Java, Kotlin  
**Frameworks:** React, Spring Boot, Angular, Express.js  
**Tools & Platforms:** Linux, AWS, Azure, Terraform, Docker, Openshift, Traefik, Splunk, AppDynamics  
**Databases:** PostgreSQL, MySQL, MongoDB

## 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  
*Senior Software Engineer* Auckland, NZ

- Led and guided a high-performing team of software engineers with expertise in backend development and develop mobile app backend for accessing Spark and Skinny Jump self-service channel on Android and iOS, leveraging **TypeScript** and **Node.JS** with **Express.js** framework to create backend-for-frontend solutions that integrate with downstream microservices.
- Overseeing technical operations and facilitating seamless communication with cross-functional stakeholders to resolve development and deployment challenges.
- Established code standards, mentored junior members of the team and contributed to knowledge sharing.
- Troubleshooting production issues through use of **Splunk** and **AppDynamics**

**Institute of Data** Jul 2022 - Dec 2022  
*Assistant Trainer (Part Time)* Remote, NZ

- Worked part-time as an assistant trainer three times a week after regular work hours for a Software Engineering course, providing mentorship to students on various technical subjects.
- Designed and delivered labs on **HTML**, **CSS**, **JavaScript**, **React**, **MongoDB**, and **AWS** to facilitate students' understanding of relevant topics.

**Invenco** Apr 2021 - Dec 2021  
*Node.JS developer* Auckland, NZ

- Worked on a multi-tenant SaaS platform that manages IoT devices, utilising **Node.js** and Angular JS
- Migrated legacy code base from **Java** to **Node.JS**. Improved performance by 60%
- Participated in production deployment and monitoring using **New Relic**
- 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%.

- Architected and implemented full-stack and infrastructure solution for a bespoke digital classroom featuring video conferencing and e-learning functionalities. Leveraged **Node.JS (Express)** for the backend and utilised AWS managed infrastructure orchestrated with **Terraform**.
- Implemented pipelines on BuildKite to facilitate continuous integration, testing and deployment of code and infrastructure changes using **AWS SQS** and **AWS Serverless function**.
- Led development of application using **Serverless function** on **AWS** using **Serverless** framework that ingest and analyse videos from Zoom cloud and archive in Google Drive
- 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