

# Sicong (Kevin) Jiang

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## TECHNICAL SKILLS

**Certifications:** AWS Solutions Architect Associate  
**Languages:** JavaScript, TypeScript, Java, Python, Bash, Node.js, Kotlin, Go, L<sup>A</sup>T<sub>E</sub>X  
**Frameworks:** React, Spring Boot, Express.js  
**Tools & Platforms:** Linux, Vim, AWS, Azure, GCP, Terraform, Docker, Git  
**Architecture & Methodologies:** Domain-Driven Design (DDD), Microservices, Event-Driven Architecture  
**Databases:** PostgreSQL, MySQL, MongoDB

## EDUCATION

**University of Wisconsin - Madison** 2013 - 2016  
*Bachelor of Science, Computer Science* Madison, Wisconsin, USA

## PROFESSIONAL EXPERIENCE

**Spark New Zealand** Auckland, NZ

*Senior Software Engineer (Mobile App Backend)* Dec 2021 - Now

- Work as a senior backend software engineer as part of an agile squad that's responsible for Spark and Skinny Jump app on Android and iOS, leveraging **TypeScript** and **Node.JS** with **Express.js** framework to deliver backend-for-frontend solutions that integrate with downstream microservices.
- Resolving development and deployment challenges through cross-functional collaboration, and facilitated seamless communication between technical and non-technical stakeholders.
- Producing detailed technical documentaion and solutions to facilitate knowledge sharing and future maintainence.

*Java Developer (Secondment)* Sept 2024 - Nov 2024

- Responsible for the Skinny Mobile SMS Self Service replatform project.
- Refactored and migrated multiple legacy **Java 8** applications to **Java 17** and **Tomcat 9** on AWS elastic beanstalk.

**Institute of Data** Jul 2022 - Dec 2022

*Assistant Trainer (Part Time)* Remote, NZ

- Mentored students in software engineering, focusing on JavaScript, React, and AWS, through lab sessions and personalized guidance.
- Designed and delivered educational content on **HTML**, **CSS**, **JavaScript**, **React**, **MongoDB**, and **AWS** three times a week, fostering a strong understanding of modern development practices and cloud technologies.

**Invenco** Apr 2021 - Dec 2021

*Node.JS developer* Auckland, NZ

- Worked full stack on a multi-tenant SaaS platform that manages IoT devices, utilising **Node.js** and **AngularJS**
- Migrated legacy code base from **Java** to **Node.JS**. resulting in a 60% performance improvement and significantly enhancing system scalability
- Played a key role in production deployment and monitoring using **New Relic**, and supported junior developers through mentorship.

- 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 (Lambda) 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

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**References available upon request**