

# Sicong (Kevin) Jiang

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## SUMMARY

Senior Software Engineer with 8+ years of experience building scalable backend services and cloud infrastructure. Proven track record in designing and delivering high-impact solutions, mentoring junior developers, and driving system performance improvements. Currently seeking Senior/Lead Software Engineer roles to leverage technical leadership and architectural skills.

## TECHNICAL SKILLS

**Certifications:** AWS Solutions Architect Associate  
**Languages:** JavaScript, TypeScript, Go, Java, Kotlin, Python, Bash,  $\LaTeX$   
**Frameworks:** Express, React, Spring Boot  
**Cloud & DevOps:** AWS, Azure, GCP, Terraform, Docker, GitHub Actions

## PROFESSIONAL EXPERIENCE

### Freelance

Remote

DevOps and SysAdmin Consultant

Dec 2023 - Now

- Acted as the primary DevOps advisor and sysadmin for multiple clients, proactively driving infrastructure optimizations that reduced incidents by 50% and improved system stability.
- Led a comprehensive audit and migration of **Linux-based** environments to secure, production-grade **Docker** containers, following industry best practices and hardening guidelines.
- Integrated **Terraform** to manage infrastructure as code, enhancing disaster recovery readiness and enabling rapid, reproducible environment provisioning across all stages.
- Replaced legacy **Nginx reverse proxy** setup with **Traefik** gateway, enabling dynamic service discovery via Docker, automated TLS via Let's Encrypt, reducing configuration management overhead by 70% while improving deployment flexibility and observability.

### Spark New Zealand

Auckland, NZ

Senior Software Engineer

Dec 2021 - Now

- Developed backend-for-frontend **RESTful APIs** using **TypeScript** and **Node.js** with Express framework, supporting 500,000+ daily app users, reducing average response time by 30%.
- Collaborated with cross-functional teams, and developed new features for the mobile apps, reducing call center support calls by 40%.
- Optimized CI/CD pipelines with **Azure DevOps**, decreasing deployment time by 30%.
- Conducted 30+ code reviews and technical interviews, helping to improve code quality and onboard new engineers.

Java Developer (Secondment)

Sept 2024 - Nov 2024

- Implemented new SMS features using **Drools** Rule Engine, enabling 5,000+ automated self-service interactions per day.
- Refactored and migrated multiple legacy **Java 8** applications to **Java 17** and **Tomcat 9** on **AWS elastic beanstalk**, improving performance by 20%.
- Enhanced logging and monitoring using **AWS CloudWatch**, reducing incident resolution time by 35%.
- Authored 10+ technical documents, streamlining knowledge transfer and cutting onboarding time by 50%.

- Provided architectural guidance on system migration, influencing the technical roadmap for future integrations.

#### **Institute of Data**

Jul 2022 - Dec 2022

*Assistant Trainer (Part Time)*

*Remote, NZ*

- Mentored 10+ students on JavaScript, React, and AWS, through lab sessions and personalized guidance, with 70% successfully transitioned into junior developer roles.
- Delivered educational content 3x per week, improving student exam pass rates by 30%.
- Hosted 2 AWS technical workshops, demonstrating cloud best practices and CI/CD pipelines.

#### **Invenco**

Apr 2021 - Dec 2021

*Node.JS developer*

*Auckland, NZ*

- Migrated legacy code base from **Java** to **Node.JS**, achieving 60% faster response times, and improving delivery time by 40%.
- Designed and implemented REST APIs for IoT device management, supporting 10,000+ connected devices.
- Supported 3 junior developers, fostering a collaborative environment and boosting team velocity by 20%.

#### **Crimson Education**

Oct 2019 - Apr 2021

*Full Stack Software Engineer*

*Auckland, NZ*

- Delivered 5+ multi-locale marketing websites using **React**, **Typescript**, **Gatsby** and **StoryBlok** (Headless CMS), reducing page load time by 60%.
- Led the development of a serverless video processing pipeline on **AWS**, processing 500+ videos per day and reducing manual workload by 40 hours/week.
- Completed migration of API server from Heroku to AWS Elastic Kubernetes Service using Terraform and improved overall reliability by 80%.

#### **Transportation Operations and Safety Lab, University of Wisconsin Madison**

July 2016 - May 2019

*Software Engineer*

*Madison, WI, USA*

- Delivered 511 travel time system, a **Spring** based **RESTful** web application for query and retrieve archived 511 travel time information from database, serving 200K+ monthly queries.
- Enhanced real-time traffic exchange **SOAP web services**, increasing data throughput by 30%.
- Refactored multiple legacy application to reduce system coupling. Reduced the chance of unexpected outages by 300%.

## **EDUCATION**

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#### **University of Wisconsin - Madison**

2013 - 2016

*Bachelor of Science, Computer Science*

*Madison, Wisconsin, USA*

## **LEADERSHIP & MENTORSHIP**

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- Mentored 10+ junior developers across multiple organizations.
- Delivered 5+ technical workshops on AWS and microservices.
- Contributed to 3+ open-source projects on GitHub.

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**References available upon request**