

# 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       |
| <ul style="list-style-type: none"><li>Acted as the primary DevOps advisor and sysadmin for multiple clients, proactively driving infrastructure optimizations that reduced incidents by 50% and improved system stability.</li><li>Led a comprehensive audit and migration of <b>Linux-based</b> environments to secure, production-grade <b>Docker</b> containers, following industry best practices and hardening guidelines.</li><li>Integrated <b>Terraform</b> to manage infrastructure as code, enhancing disaster recovery readiness and enabling rapid, reproducible environment provisioning across all stages.</li><li>Replaced legacy <b>Nginx reverse proxy</b> setup with <b>Traefik</b> 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.</li></ul> |                      |
| Spark New Zealand  | Auckland, NZ         |
| Senior Software Engineer   | Dec 2021 - Now       |
| <ul style="list-style-type: none"><li>Developed backend-for-frontend <b>RESTful APIs</b> using <b>TypeScript</b> and <b>Node.js</b> with Express framework, supporting 500,000+ daily app users, reducing average response time by 30%.</li><li>Collaborated with cross-functional teams, and developed new features for the mobile apps, reducing call center support calls by 40%.</li><li>Optimized CI/CD pipelines with <b>Azure DevOps</b>, decreasing deployment time by 30%.</li><li>Conducted 30+ code reviews and technical interviews, helping to improve code quality and onboard new engineers.</li></ul>  |                      |
| Java Developer (Secondment)  | Sept 2024 - Nov 2024 |
| <ul style="list-style-type: none"><li>Implemented new SMS features using <b>Drools</b> Rule Engine, enabling 5,000+ automated self-service interactions per day.</li><li>Refactored and migrated multiple legacy <b>Java 8</b> applications to <b>Java 17</b> and <b>Tomcat 9</b> on <b>AWS elastic beanstalk</b>, improving performance by 20%.</li><li>Enhanced logging and monitoring using <b>AWS CloudWatch</b>, reducing incident resolution time by 35% .</li><li>Authored 10+ technical documents, streamlining knowledge transfer and cutting onboarding time by 50%.</li></ul>   |                      |

- 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