

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
<i>DevOps and SysAdmin Consultant</i>	Dec 2023 - Now
<ul style="list-style-type: none"> 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
<i>Senior Software Engineer</i>	Dec 2021 - Now
<ul style="list-style-type: none"> 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. 	
<i>Java Developer (Secondment)</i>	Sept 2024 - Nov 2024
<ul style="list-style-type: none"> 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

University of Wisconsin - Madison

2013 - 2016

Bachelor of Science, Computer Science

Madison, Wisconsin, USA

LEADERSHIP & MENTORSHIP

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

References available upon request