Sicong (Kevin) Jiang

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SUMMARY

Senior Software Engineer with 10+ 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.js, React, Spring Boot
Cloud & DevOps:	AWS, Azure, GCP, Terraform, Docker, Kong, GitHub Actions, OpenShift
Architecture:	Microservices, Event-Driven Architecture, Domain-Driven Design
Databases:	PostgreSQL, MySQL, MongoDB

PROFESSIONAL EXPERIENCE

Bank of New Zealand   Sept 2025 - Now
Senior Developer - Digital Channels   *Auckland, NZ*

- Work as a senior backend software engineer as part of an agile squad that's responsible for multiple features in the BNZ app and website, leveraging **Java Spring Boot** framework to deliver **RESTful APIs** that integrate with downstream microservices.
- Worked on IBM MQ platform upgrade, implemented mutual TLS communication on MQ for multiple legacy **Spring** based **Java** applications.
- Proactively reduced technical debts, implemented and resolved vulnerabilities by upgrading dependencies.
- Migrated multiple applications from Jenkins to Spinnaker for deployment.

Spark New Zealand   Auckland, NZ

Technical Devops Lead   Jun 2025 - Sept 2025

- Defined and enforced coding standards and architectural best practices across internal squads and external vendors, improving code quality and consistency.
- Audited third-party vendor outputs for compliance, mitigating technical risks and safeguarding intellectual property in an outsourced development model.
- Drove continuous improvement through adoption of emerging technologies, enhanced monitoring practices, and reduction of technical debt.

Senior Software Engineer   Dec 2021 - Jun 2025

- Work as a senior 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 (BFF) **RESTful APIs** that integrate with downstream microservices.
- Collaborated with cross-functional teams, and developed new features for the mobile apps, reducing call center support calls by 40%.
- Resolving development and deployment challenges through cross-functional collaboration, and facilitated seamless communication between technical and non-technical stakeholders.
- Enhanced deployment pipelines with security best practices on OpenShift.

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, MongoDB, 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*

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