Jae Song

Software Engineer

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SUMMARY

Software Engineer with 4+ years of experience designing and operating backend systems for large-scale customer platforms. Experienced building reliable APIs, evolving distributed services, and leading cloud migrations while maintaining production stability. Strong focus on reliability, caching strategy, performance, and cross-team collaboration.

SKILLS

Backend: Java (Core, Concurrency), Node.js, REST APIs, SQL, JVM Fundamentals, Service Design

Platform/Delivery: AWS, Docker, Linux, CI/CD, Apache HTTP Server, CDN caching/invalidation, AEMaaCS

Frontend: JavaScript (ES6+), React, HTML, CSS, Web Performance, Accessibility (WCAG 2.2), SEO

Engineering Practices: API Design, Caching Strategies, System Reliability, Incident Debugging, Code Reviews

Tooling: Git/GitHub, Webpack, Postman, Jira, Cursor, VS Code

EXPERIENCE

PiSrc, New York, NY - *Software Engineer*

June 2021 - January 2026

Designed and operated backend services powering large-scale enterprise web platforms, supporting high-traffic customer-facing experiences across thousands of pages and users.

Backend Systems

- Designed backend services responsible for user-specific state management and cache consistency across authentication, content refresh, and session transitions.
- Built APIs and service logic used by frontend applications to deliver dynamic content and personalized experiences.

Cloud Migration

- Led migration from on-premise infrastructure to cloud-native deployment (AEM as a Cloud Service), refactoring 40+ backend services to support distributed deployment and zero-downtime releases.
- Maintained system reliability and data integrity during platform transition.

Performance & Reliability

- Architected multi-layer caching and invalidation strategies across Apache, Dispatcher, and CDN layers, significantly reducing origin load and improving global response latency.
- Built a backend preview service that recursively copied content graphs, rewrote internal references, and enforced dependency freshness guarantees to prevent stale content propagation.

Security & Stability

- Partnered with security and QA teams to remediate 12+ critical vulnerabilities through improved validation, safer serialization patterns, and hardened runtime configuration.

Technical Leadership

- Served as primary technical lead for enterprise clients, translating business requirements into backend architecture and platform decisions while remaining hands-on in implementation.
- Standardized backend service patterns across 7,000+ pages, improving maintainability and reducing production incidents.

App Academy, New York, NY - *Technical Instructor*

October 2020 - September 2021

- Taught JavaScript fundamentals through intermediate-level concepts to aspiring software engineers preparing for selective coding bootcamps.
- Provided individualized code reviews and live debugging sessions to accelerate learning. Mentored students on algorithmic thinking, Git workflows, and clean coding practices.

Croud (Freelance), New York, NY - *Technical Writer*

October 2020 - June 2021

- Authored high-quality technical documentation for NoSQL databases in collaboration with editorial teams across the US and UK.
- Optimized technical content for SEO to improve discoverability and user engagement.

EDUCATION

New York University — *B.A. Psychology; Minors: Child & Adolescent Mental Health Studies, Creative Writing*

App Academy — *Web Development / Software Engineering*