Seongju Lee

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PROFILE

Software engineer with 9+ years of experience building and scaling healthcare platforms, real estate tools, and data pipelines. Track record of leading platform migrations, designing robust systems that have processed millions of transactions, and championing ownership-driven cultures that elevate code quality and developer velocity.

SKILLS

TypeScript, JavaScript, Ruby, SQL, React, Next.js, Node.js, NestJS, Ruby on Rails
PostgreSQL, Elasticsearch, Redis, Kafka, Snowflake, AWS, Docker, Kubernetes, DataDog, LLM integration (Vertex AI, Langfuse, OpenRouter)

EXPERIENCE

Berry Street   Remote
Senior Software Engineer   Dec 2025 – Present
Next.js, NestJS, AWS suite, Postgres, Gemini SDK (Vertex AI), OpenRouter, Langfuse, Healthie, DataDog, CircleCI
- Improving the provider portal for a nutritional therapy platform, focused on the synchronous in-session experience where patients and providers connect through video.
- Built a session prep feature delivering AI-generated recaps from prior SOAP notes and context-driven suggestions based on patient journey progression. Integrated Gemini on Vertex AI with observability and prompt management through Langfuse.
- Upgraded the clinical note-taking system to a TipTap-based rich text editor, enabling structured documentation and sophisticated widgets within provider workflows.
- Drove UI/UX design and direction for the provider experience, leading to the introduction of AI-powered contextual features and the session prep interface.

Thirty Madison   New York, NY
Staff Software Engineer   Feb 2024 – Nov 2025
Senior Software Engineer   Aug 2021 – Feb 2024
Ruby on Rails, React, Node.js, PostgreSQL, AWS suite, Stripe, Kafka, DataDog, CircleCI, Medplum
- Architected and led development of the e-commerce platform and patient workflow orchestration system as part of a migration from a Rails monolith to a domain-based distributed architecture serving 2M+ patients across 8+ healthcare brands.
- Designed a prescription payment workflow integrating with pharmacy services for fill requests, dispense tracking, and billing, processing over 9M transactions in volume.
- Built a configurable state-machine orchestrator powering patient checkouts, consultations, follow-ups, and renewals across all brands, handling over 2M workflows.
- Identified systemic gaps in project-based team structures and led the transition to domain-driven development — establishing dedicated ownership, support rotations, and mentorship practices that grew multiple engineers into subject matter experts.

Remine   Tysons Corner, VA
Technical Lead / Engineering Manager   May 2019 – Aug 2021
Full Stack Engineer   Oct 2017 – May 2019
React, Node.js, TypeScript, PostgreSQL, Elasticsearch, Kafka, Docker, Kubernetes, AWS suite
- Led teams of up to 10 engineers building a real estate platform serving 50K+ agents, spanning geospatial listing search, loan officer tools, and a company-wide CRM.
- Refactored the geospatial search API, migrating from PostgreSQL to Elasticsearch and improving average query response times from ~700ms to ~300ms.
- Redesigned data pipelines into a configuration-driven ETL solution for scalable ingestion of nationwide property data.
- Designed and built the company CRM end-to-end with React, Node.js, and PostgreSQL, integrated with Stripe for billing. Supported a sales team of 100+.

Comscore   Reston, VA
Software Engineer   Jun 2016 – Oct 2017
Scala, Spark, Pig, Hadoop, Greenplum
- Developed Spark and Pig jobs on Hadoop processing petabytes of cross-media consumer data for analytics products serving major media enterprises.

EDUCATION

James Madison University — B.S. Computer Science, Minor in Computer Information Systems   2012 – 2016