

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. Led platform migrations and system design for products processing millions of transactions, and shaped engineering cultures around ownership.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Ruby, SQL, React, Next.js, Node.js, NestJS, Ruby on Rails, REST, GraphQL

Data & Infrastructure: PostgreSQL, Elasticsearch, Redis, Kafka, Snowflake, Docker, Kubernetes, CI/CD

Cloud: AWS (ECS, S3, RDS, SQS, MSK, MQ, EventBridge, Parameter Store), DataDog, Langfuse

AI/ML: LLM integration, Vertex AI (Gemini), OpenRouter

EXPERIENCE

Berry Street

Senior Software Engineer

Remote

Dec 2025 – Present

Next.js, NestJS, AWS, Postgres, Gemini SDK (Vertex AI), OpenRouter, Langfuse, Healthie, DataDog, CircleCI

- Improving the provider portal for a nutritional therapy platform, focused on the live video session experience between patients and providers.
- Built a session prep feature that generates recaps from prior SOAP notes and suggests next steps based on where the patient is in their journey. Integrated Gemini on Vertex AI with observability and prompt management through Langfuse.
- Upgraded clinical note-taking to a TipTap-based rich text editor with structured templates and interactive widgets.
- Led UI/UX direction for the provider experience, introducing AI-powered contextual features and the session prep interface.

Thirty Madison

Staff Software Engineer

New York, NY

Feb 2024 – Nov 2025

Senior Software Engineer

Aug 2021 – Feb 2024

Ruby on Rails, React, Node.js, PostgreSQL, AWS, Stripe, Kafka, DataDog, CircleCI, Medplum

- Architected the Commerce service (Stripe integration, treatment payment workflows) and the patient workflow orchestration system, migrating from a Rails monolith to a microservices architecture serving 2M+ patients across 8+ brands.
- Designed a prescription payment workflow integrating with pharmacy services for fill requests, dispense tracking, and billing — processing 9M+ transactions.
- Built a configurable workflow orchestration layer 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

Technical Lead / Engineering Manager

Tysons Corner, VA

May 2019 – Aug 2021

Full Stack Engineer

Oct 2017 – May 2019

React, Node.js, TypeScript, PostgreSQL, Elasticsearch, Kafka, Docker, Kubernetes, AWS

- 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, ingesting nationwide property data at scale.
- 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

Software Engineer

Reston, VA

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.

EDUCATION

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

2012 – 2016