

Sean Kim

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EXPERIENCE

CyberArk

Site Reliability Engineer Intern

May 2025 — Present

Newton, MA

- Automated remediation for 12 SEV2+ Datadog monitors via SNS & Step Functions, cutting MTTR by 95%.
- Platformized auto-remediation with Jenkins and Terraform, increasing coverage from 0 to 70% across 5 teams.
- Built Bedrock knowledge base with Go, Lambda, S3, & EventBridge, indexing 5000 docs nightly in <2 min.
- Leveraged Bedrock to cut incident MTTA by 17% by unifying knowledge base with the Datadog MCP server.

ACL Agency LLC

Software Engineer Intern

May 2024 — Aug 2024

Ridgefield, NJ

- Migrated legacy VMs to AWS EC2 with Auto Scaling and ELB, reducing monthly infrastructure costs by 19%.
- Processed over 500 batch insurance claims 42% faster by optimizing an internal Go service with goroutines.

PROJECTS

sixsevenlabs | [GitHub](https://github.com/sixsevenlabs) | sixsevenlabs.com

Go, Python, spaCy, PostgreSQL, Kafka, Stripe, Terraform, AWS

- Architected a Step Functions data augmentation platform ingesting 10TB/month with 27% less cost vs. EC2.
- Augmented 8GB/sec at peak throughput with the Distributed Map state across 1000s of concurrent Lambdas.
- Processed 1m daily events with a real-time usage metering system using Kinesis and Lambda for Stripe billing.
- Engineered a job ingestion pipeline with SQS, queueing over 1000 job requests per minute with 0 data loss.

copium | [GitHub](https://github.com/copium) | copium.dev

Go, TypeScript, SvelteKit, PostgreSQL, Algolia, GCP, Cloudflare

- Built an internship management platform with SvelteKit and PostgreSQL, processing 3000 weekly applications.
- Scaled search engine indexes to 2k concurrent operations with Cloud Pub/Sub and Go consumers on Cloud Run.
- Delivered an 81% reduction in query latency for BigQuery data analytics by leveraging CQRS architecture.
- Implemented compensating transactions for consistency across 3 data stores with a 99.9% successful retry rate.

ref:note | [GitHub](https://github.com/refnote) | refnote.app

Go, TypeScript, Node.js, Next.js, Docker, Redis, GCP, Vercel

- Launched a Next.js collaborative note editor on Vercel, supporting 1000 concurrent collaborative sessions.
- Reduced deployment costs by 37% by optimizing Node.js WebSocket synchronization with Redis Pub/Sub.

TECHNICAL SKILLS

- **Programming Languages:** Go, Python, SQL, TypeScript, JavaScript, Java, C
- **Libraries & Frameworks:** Node.js, SvelteKit, React, Next.js, PyTorch, spaCy, NLTK, NumPy, Pandas
- **Cloud & Devops:** AWS, GCP, Cloudflare, Terraform, Jenkins, Docker, Datadog
- **Platforms & Data:** Git, PostgreSQL, Nginx, RabbitMQ, Redis, Kafka

EDUCATION

Rutgers University—New Brunswick

Bachelor's of Arts in Computer Science

Sep 2022 — Dec 2025

GPA: 3.84

- **Relevant Coursework:** Data Structures and Algorithms, Databases, Computer Architecture, Deep Learning