Sean Kim

+1 (201) 937-7441 | [Email](#) | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EXPERIENCE

CyberArk   May 2025 — Present
Site Reliability Engineer Intern   *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.
- Cut MTTA by 17% by serving LLM citations from the knowledge base with API Gateway, Lambda, and React.

ACL Agency LLC   May 2024 — Aug 2024
Software Engineer Intern   *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

copium | [GitHub](#) | [copium.dev](#)
Go, TypeScript, SvelteKit, PostgreSQL, GCP, Algolia

- 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](#) | [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.
- Deployed a Go/Docker backend on Cloud Run with sub-50ms cold starts for low-latency Firestore queries

grammaCy | [GitHub](#) | [grammacy.com](#)
Python, spaCy, Flask, Nginx, Docker, AWS

- Developed dependency tree-based grammar checking with spaCy, achieving 83% accuracy on 20 English errors.
- Handled 250 concurrent requests with <200ms latency on AWS EC2 with Docker Compose, Flask, and Nginx.
- Boosted F1-score by 15% with a parallelized CoNLL-U augmentor, accelerating augmentation speeds by 10x.

EDUCATION

Rutgers University—New Brunswick   Sep 2022 — Dec 2025
Bachelor's in Computer Science   *New Brunswick, NJ*

- **GPA:** 3.84
- **Relevant Coursework:** Data Structures and Algorithms, Databases, Computer Architecture, Deep Learning

SKILLS

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