

SEAN KIM

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

EXPERIENCE

CyberArk

Site Reliability Engineer Intern

May 2025 - Aug 2025

Remote

- Incoming SRE intern working on AWS infrastructure management and using the ELK stack for observability.

[copium.dev](#)

Founder

Jan 2025 - Present

Remote

- Built a **SvelteKit** tech career management platform with **400k** users, helping send **90k** job applications daily.
- Streamed **10k** events/sec via **Kafka** into **ClickHouse**, **ELK**, and **Redis** with a **Go** pipeline on **AWS ECS**.
- Achieved **sub-100ms** response times and **73%** less database hits by caching frequently accessed jobs with **Redis**.
- Used **Cloudflare Workers KV** for edge auth token caching, reducing auth request latency to **under 10ms**.
- Streamlined AWS deployments using **GitHub Actions** and **Terraform**, achieving **sub-10** minute deployments.

ACL Agency LLC

Software Engineer Intern

May 2024 - Aug 2024

Ridgefield, NJ

- Reduced infrastructure costs by **19%** while accommodating a **12%** customer base expansion by migrating cloud infrastructure to **AWS EC2** using **Docker**, **Elastic Load Balancer**, and **EC2 Auto Scaling**.
- Processed **over 500** batch insurance claims **42%** faster by optimizing an internal **Go** service with goroutines.

PROJECTS

[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 **over 250** concurrent requests with **sub-200ms** latency with a **Flask** API hosted on **AWS EC2** through **Docker Compose** and **Nginx**, enabling real-time and high-scale correction on a t2 nano instance.
- Boosted F1-score by **15%** by developing a CoNLL-U augmentor that injects targeted, realistic grammar errors over random mutations, parallelized to accelerate augmentation speeds by **10x** and improve feature velocity.

[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.
- Streamlined user authentication with **OAuth2** and **JWT**, improving user registration conversion rates by **17%**.

EDUCATION

Rutgers University-New Brunswick

Bachelor's in Computer Science

Sep 2022 - Dec 2025

GPA: 3.90

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

TECHNICAL SKILLS

- **Languages:** Go, TypeScript, JavaScript, Python, Java, C, SQL
- **Libraries & Frameworks:** Flask, Node.js, Express.js, Next.js, SvelteKit
- **Tools & Platforms:** Git, AWS, GCP, Postgres, Redis, Docker, RabbitMQ, Kafka, Nginx, Terraform