

GAVIN W. KLINE

<https://github.com/gwkline> ▪ New York, NY ▪ 571-439-9249 ▪ gwkline23@gmail.com

PROFESSIONAL EXPERIENCE

GORJIAN ACQUISITIONS

VP of Software Engineering

September 2023 – Present

- Initiated and leading the end-to-end design and implementation of the Gorjian Software Platform, a set of sophisticated server-side internal tools (written in Golang, serving a GraphQL API to a Typescript/React dashboard frontend) to enhance data collection, broker outreach, and other aspects of an associate's workflow
- Developed an automated email outreach/marketing infrastructure, replacing a high-volume manual system to significantly enhance sending volume, observability, and reliability – decreasing computing resource utilization by ~85%, with an average response rate above 30%
- Lead a team of engineers in the implementation of a distributed data collection and enrichment pipeline, allowing our associates to aggregate up-to-date data in minutes instead of days (and increasing the quality of leads collected, resulting in 20% fewer bounce-backs)
- Engineered custom AI-driven services for intelligent email responses and follow-ups, employing fine-tuned machine learning models to ensure personalized and timely engagement with brokers

WHOP

Backend Software Engineer

June 2022 – July 2023

- Developed and scaled Ruby on Rails backend services, background workers, and internal GraphQL APIs (receiving 7k requests/min on average) for Whop's consumer-facing marketplace and business-facing dashboard, eventually supporting over 1m MAU
- Performed critical database maintenance and performance enhancements for our PostgreSQL database, resulting in an average decrease in response time of 70% for 10 of our "key" transactions, allowing our team to reduce the sitewide timeout threshold from 30 to 7.5 seconds
- Built and maintained integrations with Discord, Telegram, and TradingView, processing millions of dollars in marketplace transactions and managing access for over 300k paying customers
- Owned the design, development, and performance optimization of Whop's public RESTful API, achieving sub-30ms average response time and handling 1k requests/min on average, with peaks of 5k requests/min

CACI INC – PM IVAS

Software Engineering Intern

June 2021 – May 2022

- Developed software to aid with mission recon using computer vision, using OpenCV and NumPy to intelligently and programmatically map ingested drone footage onto a 2D plane
- Wrote tooling to display drone flight statistics, using linear regression to predict information about the remaining flight time and distance
- Collaborated with Microsoft to conduct load and performance testing of the equipment developed during the project

EDUCATION

SYRACUSE UNIVERSITY

Syracuse, NY

August 2019 – May 2022

- Bachelor's of Science in Computer Science, graduating in three academic years
- Active member of the Division 1 Men's Lacrosse team, the second winningest program in NCAA history

SKILLS

PROGRAMMING LANGUAGES / FRAMEWORKS:

- Golang, JavaScript/Typescript (Node, React, Vite, NextJS, Svelte, Sveltekit), Python (Pandas, NumPy, OpenCV), Ruby (Rails, Grape, RSpec, Sidekiq), C/C++/C#, SQL (PostgreSQL), NoSQL (MongoDB)

TOOLS

- Git, Docker, Redis, Memcached, GraphQL and RESTful API design, Github Actions

AREAS OF EXPERTISE

- Backend development, database design and maintainance, application performance optimization, driving million dollar growth, high-pressure environments, team collaboration, integration and unit testing

OTHER

- Secret Security Clearance (DoD, 2021)