

GAVIN W. KLINE

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PROFESSIONAL EXPERIENCE

GORJIAN AQUISITIONS

Software Engineer

September 2023 – Present

- Initiated and leading the end-to-end design and development of an automated email marketing infrastructure, replacing a high-volume manual system to significantly enhance marketing campaign efficiency and data accuracy.
- Engineering custom AI-driven chatbots for intelligent email responses, employing fine-tuned machine learning models to ensure personalized and timely engagement with clients.

WHOP

Backend Software Engineer

June 2022 – July 2023

- Developed and maintained Ruby on Rails backend services, background workers, and internal GraphQL APIs (supporting over 7k requests/min on average)
- Collaborated with the Head of Backend to perform database maintenance and performance enhancements for our PostgreSQL database, resulting in a significant reduction of the sitewide timeout threshold from 30 seconds to 7.5 seconds (with 10 “key” transaction having an average 70% decrease in response time)
- Managed and maintained integrations with Discord, and built integrations with 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 the 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. Used OpenCV and NumPy to intelligently and programmatically map ingested drone footage onto a 2D plane, as well as calculate flight statistics for the drones
- Assisted with load and performance testing for the equipment developed during the project, ensuring the reliability and robustness of the system under various conditions and usage scenarios

EDUCATION

SYRACUSE UNIVERSITY

Syracuse, NY

August 2019 – May 2022

- Bachelor's of Science in Computer Science
- Graduated in three academic years (2019-2022)
- Played Division 1 Men's Lacrosse at the second winningest program in NCAA history

SKILLS

PROGRAMMING LANGUAGES / FRAMEWORKS:

- Ruby (Rails, Grape, RSpec, Sidekiq), JavaScript/Typescript (React.JS, Next.JS, Svelte, Sveltekit), Python (Pandas, NumPy, OpenCV), Golang, SQL (PostgreSQL), NoSQL (MongoDB)

TOOLS

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

AREAS OF EXPERTISE

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

OTHER

- Secret Security Clearance (DoD, 2021)