

Joe Galante

jegalante@gmail.com · www.linkedin.com/in/jegalante · <https://galante.vercel.app> · Chicago, IL

SUMMARY

Full-Stack Software Engineer with experience building and scaling financial platforms. Experienced in designing RBAC authorization systems, asynchronous event pipelines, and performance optimizations on high-traffic APIs supporting more than \$1B in managed assets. Comfortable owning full-stack features while focusing on backend architecture, reliability, and system scalability.

WORK EXPERIENCE

Canopy Capital

Remote

Software Engineer - Python, React, NextJS, Django, TypeScript, Docker, GCP

October 2023 – Present

- Own end-to-end architecture and delivery of core financial workflows across Django APIs and Next.js clients, supporting platform growth from launch to 250+ daily active users and over \$1B in managed assets.
- Led system design and rollout of a centralized RBAC and object-level authorization platform governing firm, advisor, and portfolio access across critical trading and portfolio management paths, replacing fragmented legacy permission logic and improving security, maintainability, and auditability.
- Architected Redis-backed caching strategies for high-traffic portfolio analytics endpoints, reducing average response latency by ~30% and stabilizing performance under peak usage.
- Designed asynchronous event-driven notification pipelines using Google Cloud Tasks to decouple trade execution from user alert delivery, improving reliability and request throughput for time-sensitive portfolio updates.
- Own evolution of core financial data models and migration strategy, executing backward-compatible schema changes and data transformations with zero production incidents attributable to database migrations.
- Built an internal administrative platform from scratch, enabling real-time visibility into advisor trading activity, portfolio performance, and firm-level AUM growth, improving operational efficiency for internal stakeholders.
- Containerized and routed backend services using Docker and Traefik, integrating fixed-income trading pipelines into centralized internal tooling and accelerating bond analysis and execution workflows.
- Optimized API performance and reduced payload sizes across portfolio and trading endpoints, improving dashboard responsiveness and overall system scalability.

Edge Case Research

Pittsburgh, PA

Software Engineer - Vue.js, Golang, Python, PostgreSQL, Docker, Kubernetes

May 2022 – August 2023

- Built backend services and data processing features in Golang and Python for an autonomous vehicle safety platform, supporting ingestion and analysis of vehicle telemetry data used in production environments.
- Designed and implemented data workflows and API integrations supporting vehicle telemetry and safety analysis use cases, improving reliability and usability of core platform features.
- Owned full lifecycle delivery of multiple features from technical design through deployment, including testing, debugging production issues, and coordinating releases with cross-functional teams.
- Collaborated closely with product managers, designers, and users to translate real-world safety requirements into scalable technical solutions, ensuring alignment between engineering execution and customer needs.
- Mentored an engineering intern on code quality, debugging strategies, and system architecture concepts, accelerating their onboarding and delivery impact.
- Worked within containerized environments and early Kubernetes-based deployments, gaining exposure to distributed system operations and service orchestration patterns.

EDUCATION

University of Pittsburgh

April 2022

Bachelor of Science in Computer Science

GPA: 3.74

Bachelor of Science in Finance

RELEVANT SKILLS & LANGUAGES

React.js, Python, Django, Next.js, Golang, Vue.js, Javascript, TypeScript, Java, SQL, Node.js, Docker