

EXPERIENCE

DriveWealth — SOFTWARE ENGINEER II, Fixed Income

May 2023 – Present

- Increased company assets under management flow to \$500k-\$1+mil / day by delivering Fixed Income Orders/Cancel feature E2E including partner APIs, order management systems, and FIX connections to venues (Institutional level)
- Capped network calls to a hard 2000 calls/day in order management system by introducing Fixed Income instruments cache. (Previously 3 calls x # of daily orders)
- Reduced corporate actions cron jobs' error rate by 20% by upgrading bash scripts to dockerized Go applications to periodically upload and download files from ICE Corporate Actions' sftp servers
- Built an easy process for compliance to execute trade report resubmissions by implementing Airflow DAGs to grab rejects from postgres and send to kafka for resubmission (two button click)
- Brought Fixed Income microservices and cron jobs to life from local to OpenShift(DEV, QA, UAT, PROD) using Docker images and Helm charts to manage apps, jobs, secrets

ATLASSIAN — BACKEND SOFTWARE ENGINEER II

February 2020 – October 2022

- Addressed downstream consumers' noisy neighbor issue by designing and leading a project to replace our platform event bus's backup Kinesis to SQS
- Addressed customer deployment and scale out failures by designing a resiliency project using S3 in our artifacts store service's Java client
- Saved >\$50,000/week by shutting down logs in event bus and providing a producer/consumer observability dashboard
- Improved on-call experience for team by reducing noise by 50%, writing runbooks, and holding mock incidents for new members
- Developed Spring Boot APIs and delivered self-written internal UI tool in React for support engineering and product engineering to debug team's feature release service

SKILLS

Languages: Go, Java, Python

Tools: JUnit, Terraform, Git, Docker, Bitbucket Pipelines

Technologies & Frameworks: AWS SQS, Kinesis, S3, EC2, DynamoDB, OpenShift;

Spring, Flask, Gin, Redis, Postgres, ActiveMQ, Kafka, Kubernetes, Airflow,

Helm, FIX protocol