

Kyle Moon

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Skills

Core: Python, PostgreSQL, JS, Bash

Backend: Flask/FastAPI, Celery, Redis, RabbitMQ

Infra: AWS, Docker, GitHub Actions, Grafana

Experience

Software Engineer, Vettafi (acq. by TMX Group) - New York, NY Apr 2023 - Present

- Designed and deployed a full-stack automated analytics application that syncs ~100k+ records into client CRM instances, reducing manual workflows by 90% with real-time data availability.
- Constructed a client-facing tax-aware portfolio transition system with automated reporting and compliance checks, generating ~\$110k in ARR.
- Unified legacy data pipelines and enforced consistency standards across several acquired platforms, improving analytics reliability for ~200k monthly users across 25k securities.
- Maintained SLA-backed production data feeds and delivery workflows with 99.9% uptime for ETF issuers, contributing ~\$100k in recurring revenue.
- Architected a serverless backend solution supporting monitoring watchlists and automated workflows for an ETF analytics platform with ~100k monthly active users.
- Developed an automated fund factsheet workflow, producing quarterly compliant reports for issuers that contributed ~\$100k in contracted revenue.
- Built an automated marketing newsletter report on ETF flow trends, distributed to ~10k monthly readers, highlighting investor sentiment and product positioning.

Software Engineer, ETFLogic (acq. by Vettafi) - New York, NY Feb 2021- Apr 2023

- Implemented a microservices-based backend on AWS, deployed on cloud instances with managed authentication, supporting ~100k daily requests.
- Delivered an automated portfolio management service that enforced allocation thresholds and generated rebalance recommendations; ~\$100k ARR.
- Engineered ETL pipelines to ingest and normalize daily time-series data across ~100k+ ETFs, equities, and mutual funds, supporting downstream analytics and API endpoints.
- Created a LaTeX-based PDF engine that translated structured application data into standardized reports, adhering to client requirements and compliance specifications; ~5k reports per month.
- Built a secure CRUD backend layer with automated triggers, access controls, historical versioning, and audit logging, scaling to 1M+ records.

Software Engineer, Raytheon Technologies - State College, PA May 2020 - Dec 2020

- Automated resource allocation workflows for internal tooling applications.

Education

Lehigh University – BS in Computer Science

May 2020