

Eugene Sokolov

New York, NY

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Full stack engineer with 8 YoE looking to join a high growth organization - solving interesting software and data problems that matter, while helping to build effective and collaborative team dynamics, culture, and work norms.

Skills

Languages: Python (FastAPI, Flask, pandas), SQL, NoSQL (Redis, Mongo), Javascript/Typescript (Vue, React, Angular)

Design: database design, data pipelining, automation, CICD, infrastructure, AWS, Terraform, git, Linux

Experience

Pattern Research New York, NY

2022-

Head of Engineering

- Building an internal crypto trading platform - hiring and leading a tech org of 8 developers, setting culture and team norms
- Designed and guided the build of an internal full stack application which provides strategy introspection, order entry, and real-time monitoring of trading engines
- Work with traders to lead, plan, and execute engineering and product roadmap. Outcomes include 5x trader efficiency on algorithm design, information retrieval, and order execution
- Created internal data processing pipelines which served a robust backtest and research framework allowing for traders to introspect strategy decisions and create new strategies with ease
- Designed and built a new automated back office and accounting framework, saving thousands of dollars in operational costs
- Built firm wide CI-CD stacks to automate tests, migrations, and, code deploys, saving developers countless hours
- Architect and lead monolith decomposition + services architecture to enable fast iteration on new services and web apps

Flatiron Health New York, NY

2020-2022

Senior Software Engineer

- Collaborated with product and design teams to build a self service oncology research data ETL system, allowing internal non-technical users to build pipelines and deliver data to clients, saving hundreds of thousands of dollars in operational costs
- Lead and coached a team of 4 engineers to build new features and follow software best practices
- Built and released numerous features which automate functionality in project pipelines, saving users time spent creating datasets by 10x
- Served as a team architect to set team norms and improve the developer experience, guiding junior developers in code review, design docs, and architectural decisions

Adaptive Management/Knoema New York, NY

2019-2020

Senior Software Engineer

- Developed and supported Oasis, an alternative data infrastructure and ETL ingestion system, processing TB of data daily
- Decreased client response times 1000x by redesigning an 'ingestion database' schema
- Developed and supported DataMonster, a data management and visualization Flask web application
- Increased productivity 20x by improving developer coding experience, PR processes, testing, and dev ops
- Increased revenue 15% by suggesting a major feature and wrote product specs, giving more fine grained introspection and control over charting tools

The Cooper Union for the Advancement of Science and Art New York, NY

2018-

Adjunct Professor (part time) - ECE 464: Databases

- Teaching a graduate level course exposing students to theoretical and practical applications in modern database development
- Topics include: relational data model, SQL, ORMs, database design, NoSQL, "Big Data"

Hudson River Trading New York, NY

2016-2019

Software Developer (Series 57 certified)

- Monitored live trading weekly, tended to operational issues in a fast paced environment, and debugged mission critical software handling hundreds of millions of trades daily
- Built Python processes and automated workflows to streamline company procedures and operational requests
- Created system to automate ETF order placement, managing notional values of \$1-10 million daily

Education

The Cooper Union for the Advancement of Science and Art New York, NY

- Masters of Engineering (M.Eng.), Electrical Engineering **4.0 / 4.0**

2017

- Bachelors of Engineering (B.Eng.), Electrical Engineering **3.5 / 4.0**

2016