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 (Vue, React, Angular), C++
Design: database design, automation, REST/RPC, git, Linux, AWS, Terraform, machine learning

Experience

Pattern Research New York, NY   2022-
Head of Engineering
- Leading a team of 7 developers to build an internal crypto trading platform - setting culture and team norms
- Overhauled internal data processing pipelines to create a robust backtest and research framework allowing for traders to create new strategies with ease
- Designed and created new back office and accounting frameworks that are largely automated, saving tens of thousands of dollars in operational costs

Flatiron Health New York, NY   2020-2022
Senior Software Engineer
- Collaborated with product and design teams to create a self service oncology research data ETL system
- Lead and coaching a small team of engineers to build new features and follow software best practices
- Built and released several features which automate functionality in project pipelines, saving users time spent by 10x
- Served as a team architect to set team norms and improve the developer experience

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"

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 QA productivity exponentially by managing a team of 6 contractors to build a Selenium regression test framework
- Increased revenue 15% by suggesting a major feature and wrote product specs, giving more fine grained introspection and control over charting tools

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
- Decreased corporate action issues 10x by automating procedures and improving override capabilities
- Created system to automate ETF order placement, managing notional values of $1-10 million daily

Projects and Research

On Software Development Product Management: Feature Selection and Model Analysis of Predicting Jira Issue Attributes: *Masters Thesis*   *2016-2017*
- Researched Jira to determine factors that drive issue completion time, priority, and resolution using regression methods

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*