Eugene Sokolov

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Full stack and data 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, tech 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 a 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 3x speedup of features released and 5x trader efficiency on trading 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 rebuilt an 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 and services architecture to enable fast iteration on new services and web apps
• Mentored and coached junior engineers, setting plans for technical and non technical improvements

Flatiron Health New York, NY   2020-2023
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 engineering 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
• Underwent an acquisition and assisted in hand-off of entire tech stack

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 as part of a team rotation, 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*