

# Sahil Kapur

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## SUMMARY

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I'm a software engineer experienced in building robust and maintainable backend services. I'm especially excited by products that are breaking ground in fintech. Outside of work, I love F1 (#55 all the way), playing golf, and exploring New York City.

## EXPERIENCE

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### **Aer Compliance, Software Engineer (April 2024 - present)**

Developed and shipped an LLM-based workflow solution for analyzing RIA marketing material. Improved core trade ingestion pipelines, including reliability of our Plaid integration. Implemented a data verification system for monitoring inaccuracies in critical database models.

### **Vise, Software Engineer (Sept 2022 - April 2024)**

Architected and built backend for Vise's portfolio analysis suite for direct-indexing product. Added metrics like tax alpha, ETF/MF overlapped assets, and key portfolio risk indicators. Developed integrations with new market data providers to expand Vise's asset universe. Used Go, Typescript, Cypress (E2E testing), Protobuf, and PostgreSQL.

### **Altro, Software Engineer (Feb 2021 - Jul 2022)**

Led backend development and rollout of our credit-building debit card. Built microservices to integrate with Plaid, card issuers, ACH processors, and credit bureaus. Used Go, PostgreSQL, GraphQL, Protobuf, and Kubernetes.

## PROJECTS

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### **Fingest (2024)**

Developed LLM-based agentic workflows to move idle cash between accounts while maintaining liquidity by predicting upcoming purchases. Created ETL pipelines to ingest unstructured financial data from PDFs, emails, or screenshots. Solo project, built with S3, Snowflake, and Python.

### **FactorBacktest.net (2023)**

Built online service for backtesting custom portfolio factors. Uses LLMs to construct factor equations and built lightweight optimizer to construct backtested portfolios. Used dynamic caching and advanced parallelism to perform > 40k calculations in milliseconds. Solo project, hosted on Amazon EKS and built in Go and React.

## EDUCATION

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### **Purdue University, B.S. Computer Science**

Full-time student from 2018-2020. Completed degree in 2022 as a part-time student while working full-time at Altro. Served as president of Delta Mu Kappa: Purdue's co-ed entrepreneurship fraternity.

## SKILLS

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### **Languages/Frameworks**

Golang, Python, JavaScript (Typescript/React/vanilla), Java, PostgreSQL, MongoDB, GraphQL, Protobuf

### **Technologies**

AWS infra (EKS, EC2, RDS, CloudFront, Lambda), Kubernetes, Docker, Airflow, Redis, Kafka, Retool, Snowflake