

Gurleen Singh

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EXPERIENCE

Software Developer, Energy Markets

June 2023 – Feb 2026

Susquehanna International Group

Philadelphia, PA

- Rebuilt market pricing and exposure engine using **DuckDB**, reducing hardware requirements and trader wait time
- Developed data quality validation app using **FastAPI**, **React**, and **Oracle SQL**
- Introduced **Prefect** for orchestrating daily data pipelines, replacing cron-based system
- Created end-to-end pipeline and UI for desk PnL reporting, tracking **\$5mil+** in weekly revenue

Software Engineering Associate, Baseball R&D

Mar 2022 – Sep 2022

Philadelphia Phillies

Philadelphia, PA

- Built and deployed **Python** ETL pipelines to ingest external and vendor data
- Designed and deployed **Airflow** DAGs to automate third-party ETL workflows
- Contributed features to internal **React** scouting and draft board app, integrating live data via **WebSockets**; used during the 2022 MLB Amateur Draft

Software Engineering Intern, API

Mar 2020 – Mar 2021

Linode

Philadelphia, PA

- Contributed to Linode API v4 (**Python/Flask**) used by 800K+ customers, including new features and tests
- Improved global API response times by **20%** with async IO optimizations
- Expanded **Sentry** instrumentation across the API, improving error visibility and response time insights
- Created **VueJS** dashboard to track GitHub Enterprise metrics for engineering managers

Food Rescue Volunteer

Jun 2019 – Mar 2020

Sharing Excess

Philadelphia, PA

- Delivered over **9,000 lbs** of surplus food to hunger relief organizations across Philadelphia
- Logged weekly food distribution records using Google Forms

ASK ME ABOUT...

Sports Broadcast Graphics, Drexel DragonsTV | *C#, React, TypeScript, WebSockets*

June 2019 – Present

- Built broadcast graphics system for sports telecasts, replacing **\$10K+** commercial tools with a bespoke **C#** backend
- Designed **React/TypeScript** renderer driven by a **WebSocket** command bus, syncing complex graphics state in real time across producer and on-air clients
- Automated team data prep (rosters, images, colors), cutting setup time from 2+ hours to **20 seconds**
- Used on broadcasts appearing on NBC Sports Philadelphia and SNY

Baseball Data Platform | *Python, Prefect, dbt, React, Bun, Drizzle, TanStack, Docker*

2026 – Present

- Orchestrated Statcast and play-by-play ingestion with **Prefect**; transformed raw data into season stats and Statcast rankings using **dbt**
- Built **React** frontend with **Bun**, **Drizzle ORM**, and **TanStack Query** for type-safe, responsive data access
- Deployed full backend stack via **Docker Compose**

EDUCATION

Drexel University

Bachelor of Science in Computer Science

Philadelphia, PA

Aug. 2018 – June 2023

TECHNICAL SKILLS

Languages: Python, C#, SQL, TypeScript, R, C/C++, Go

Strong Familiarity With: DuckDB, Airflow, Prefect, dbt, Docker, Kubernetes, AWS, GCP, Linux, Bash

Frameworks & Libraries: React, FastAPI, Hono, ASP.NET, Polars, Pandas, TanStack Query, Drizzle, D3

Observability & Data: Sentry, PostgreSQL, Redis, Oracle SQL, WebSockets