Kyle Glasper

kyleglasper.com | ksglasper@gmail.com | Baltimore, MD| (708) 543-8740

PROFESSIONAL EXPERIENCE

Innovare - Social Innovation Partners
Jun 2024 – Present

Full Stack Software Engineer
Chicago, IL

- Built a self-service data ingestion and refresh pipeline using Flatfile and BigQuery, reducing customer data turnaround from 3 days to under 15 minutes for CSVs with hundreds of thousands of rows.
- Designed and implemented a Redis-based caching layer (Google Memorystore) for Cube.js and AG Grid queries, cutting API response times from 20s to under 1s and reducing monthly infrastructure costs from $3.5K to $400.
- Created a multi-engine cohort generation system, enabling school administrators to create dynamic student cohorts through natural-language queries. This eliminated a key user pain point of manual student discovery and improving intervention response times.
- Implemented application performance monitoring and alerting using GCP, Sentry, and k6/Grafana, significantly reducing average time to detect and debug production issues.
- Authored and maintained Confluence onboarding documentation, reducing new engineer ramp-up time from weeks to days.

Nestlé Professional
Oct 2022 – Jun 2024

Microbiologist and Raw Material Technician
Chicago, IL

- Connect procedures within SAP to Nestlé's Digital Manufacturing Operations software.
- Develop systems to automate label production within Microsoft Excel using VBA.
- Create and implement Excel scripts for the Quality Lab to streamline daily workflows.

Nufarm Americas
Feb 2017 – April 2022

Quality Control Analyst
Chicago Heights, IL

- Created new methods of analysis for products and prepared validation steps.
- Trained and mentored new employees and temporary workers to ensure accurate and consistent lab practices.

EDUCATION

University of Illinois Chicago
May 2022 – Aug 2022

Full-Stack Web Development Certificate
Chicago, IL

Michigan Technological University
Aug 2012 – Aug 2016

BS, Biochemistry & Molecular Biology
Houghton, MI

- Activities: President, Society of African American Men (SAAM); Resident Assistant (RA).

TECHNICAL PROJECTS

Football League Stat Tracker
Jan 2023 – Present

Sole Developer | Data Visualization App

- Built ETL pipeline by scraping popular fantasy football sites using Beautiful Soup, transforming with Pandas, and loading into Google Firestore Database for downstream analysis
- Leveraged the Recharts library to visualize multiple data scenarios including head to head comparison, by season overview, and personal history against league averages
- Constructed endpoints connected with Cloud Scheduler cron jobs to automate updates at the end of each season
- **Tech stack:** TypeScript, Cloud Run, React, Firebase, Python, Pandas, NoSQL, Material UI, Recharts, Cloud Scheduler

Weather With You
Nov 2022 – Present

Project Lead | Weather App

- Led a post-graduation project with three classmates to build a weather application where users can search and favorite cities that appear on their profile.
- **Tech stack:** TypeScript, React, Node.js, PostgreSQL, Express, Git, Docker, Cloud Run, Recharts.

SKILLS

Programming Languages	TypeScript | Java | Python 3 | C++ | SQL | HTML | CSS/Sass
Libraries & Frameworks	React | Spring Boot | Selenium | Jest | AG Grid | Recharts | Flask
Tools & Platforms	Vertex AI | Cube | AWS Quick Suite | Flatfile | Looker Studio | BigQuery

COURSEWORK

Advanced Algorithms and Complexity | Data Structures | Software Engineer Methodology | Google Cloud Architecture
Combinatorics and Probability | Mathematical Thinking in Computer Science | Discrete Optimization