Kyle Glasper

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PROFESSIONAL EXPERIENCE

Innovare - Social Innovation Partners
Full Stack Software Engineer

Jun 2024 – Present
Chicago, IL

- Built a self-service data ingest and refresh pipeline using Flatfile and BigQuery, reducing customer data turnaround from 3 days to under 15 minutes for CSVs with >500,000 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 induction time from weeks to days.

Nestlé Professional
Microbiologist and Raw Material Technician

Oct 2022 – Jun 2024
Chicago, IL

- Connected procedures within SAP to Nestlé's Digital Manufacturing Operations software.
- Developed systems to automate label production within Microsoft Excel using VBA.
- Created and implemented Excel scripts for the Quality Lab to streamline daily workflows.

Nufarm Americas
Quality Control Analyst

Feb 2017 – Apr 2022
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
Full-Stack Web Development Certificate

May 2022 – Aug 2022
Chicago, IL

Michigan Technological University
BS, Biochemistry & Molecular Biology

Aug 2012 – Aug 2016
Houghton, MI

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

TECHNICAL PROJECTS

Football League Stat Tracker
Sole Developer | Data Visualization App

Jan 2023 – Present

- 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
Project Lead | Weather App

Nov 2022 – Present

- 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