

Kyle Glasper

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PROFESSIONAL EXPERIENCE

Innovare - Social Innovation Partners	Jun 2024 – Present
Full Stack Software Engineer	<i>Chicago, IL</i>
<ul style="list-style-type: none">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 induction time from weeks to days.	
Nestlé Professional	Oct 2022 – Jun 2024
Microbiologist and Raw Material Technician	<i>Chicago, IL</i>
<ul style="list-style-type: none">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	Feb 2017 – Apr 2022
Quality Control Analyst	<i>Chicago Heights, IL</i>
<ul style="list-style-type: none">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
<i>Full-Stack Web Development Certificate</i>	<i>Chicago, IL</i>
Michigan Technological University	Aug 2012 – Aug 2016
<i>BS, Biochemistry & Molecular Biology</i>	<i>Houghton, MI</i>

TECHNICAL PROJECTS

Football League Stat Tracker	Jan 2023 – Present
<i>Sole Developer Data Visualization App</i>	
<ul style="list-style-type: none">Built ETL pipeline by scraping popular fantasy football sites using BeautifulSoup, transforming with Pandas, and loading into Google Firestore Database for downstream analysisLeveraged the Recharts library to visualize multiple data scenarios including head to head comparison, by season overview, and personal history against league averagesConstructed endpoints connected with Cloud Scheduler cron jobs to automate updates at the end of each seasonTech stack: TypeScript, Cloud Run, React, Firebase, Python, Pandas, NoSQL, Material UI, Recharts, Cloud Scheduler	
Weather With You	Nov 2022 – Present
<i>Project Lead Weather App</i>	
<ul style="list-style-type: none">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