

Jacob Diehl

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CAREER SUMMARY

Data-Enabled Application Engineer - proficient TypeScript, and SQL. From client side input to extracting, loading and transforming data, I'm the swiss army knife of web development.

EXPERIENCE

Novata

L4 Analytics Developer

Denver, Colorado

July 2024 - March 2025

- Ensured a consistent and scalable design across thousands of dashboards with custom Javascript and CSS plugins.
- Engineered a navigation system in Sisense for users to explore portfolio metrics and benchmarks.
- Built algorithm to auto-select the most relevant benchmarks that pertain to a company reducing benchmark related support sessions by 50%.
- Automated data ingestion from S3 to Snowflake data-warehouse with Dagster Jobs.
- Developed DBT macros to flag potential data entry errors, which alerted 20 companies of errors.
- Mentored teammates on React best practices to improve modularity, and helped setup .
- Reviewed colleagues' pull requests in GitHub to prevent breaking changes to the Snowflake data warehouse.

Data Annotation

AI Training Specialist

Denver, Colorado

February 2024 - Current

- Identified security risks in user AI queries including SQL injection, PII exposure, and misinformation, to ensure safe and accurate model responses.
- Implement new rules and review agentic flow for AI models resulting in improved order of operations.
- Recommended enhancements to model responses for accuracy and reliability.
- Suggested improvements based on time complexity and modularity.

Flatiron

Mentor

Denver, Colorado

May 2024 - July 2024

- Diagnosed coding errors to unblock students, and provided hints for improved debugging skills.
- Advised students in React routing, fetch requests, and building ROR scaffolds to build full-stack applications.
- Coached students through CORS issues for their client and server side code so they could deploy to Render.
- Guided students through integrating their deployed websites with ElephantSQL, enabling production-ready database connectivity.

TECHNICAL SKILLS

Languages: Typescript, Python, SQL, HTML, MongoDB, and SCSS

Tools: React, Jest, Dagster, DBT, Snowflake, GitHub, Express.js, and Docker

AWS Services: API Gateway, Lambda, IAM, S3, and AWS Aurora

TECHNICAL PROJECT

Denver Digital Dynamics - [Github](#) | [Website](#)

- A personal portfolio website to advertise freelance services and serve as a personal site.
 - Created intuitive designs with multiple CTAs, minimizing cognitive strain.
 - Developed my own CSS module system to tokenize CSS variables to make later refactors easier.
 - Organized skills with a robust filtering system allowing potential employers to easily explore skills I have.

EDUCATION

Flatiron School

Full Stack Web Development Bootcamp

Denver, Colorado

November 2022 - April 2023

Central Michigan University

Bachelors of Science

Mount Pleasant, Michigan

August 2014 - December 2018