

# JAIME DIAZ

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## SUMMARY

Software Engineer with experience at General Motors, designing and delivering scalable systems using Python and C++. Proven ability to modernize legacy workflows through cloud-based databases and internal web applications. Strong collaborator in agile environments, focused on building reliable, efficient solutions that improve data integrity, performance, and team productivity.

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## WORK EXPERIENCE

### TRACK Service Engineering Process & Systems Analyst , General Motors Jul 2025 - Present

- Architected and developed a Python-based full-stack internal web application used daily by a 7-person analyst team, enabling real-time multi-user data entry, centralized task tracking, and streamlined workflows.
- Designed and implemented a MySQL cloud-based database to replace a legacy Excel system with 20,000+ records, improved scalability, reliability, and data accessibility.
- Analyzed and refactored system logic to eliminate inefficiencies, reduce processing errors, and improve overall operational efficiencies.

### Software Engineering Intern, General Motors May 2024 - Aug 2024

- Developed a Python algorithm to identify and delete outdated GeoTile files on vehicle computers to optimize performance, storage utilization, and support automated driving.
- Planned and coordinated test plans to ensure algorithms meet coding standards and company standards.
- Collaborated cross-functionally with developers across multiple teams to integrate new functionality with existing systems.

### Software Engineering Intern, General Motors May 2023 - Nov 2023

- Contributed to server-side development projects, including web applications, Flask APIs, and database design.
  - Led the development of a back-end C++ based testing space to be used by 200+ developers to support internal tooling.
  - Developed automotive software solutions using C++ and Python.
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## EDUCATION

Aug 2020 - May 2025

### Bachelor of Science in Software Engineering

Rochester Institute of Technology

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## ADDITIONAL INFORMATION

- **Back-End Languages:** Python, C++, C#, Java, MySQL, PostgreSQL
- **Languages:** English, Spanish
- **Front-End Languages:** React, JavaScript, Bootstrap, HTML, CSS