

Rose Tovar

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Experience

2024–Present	Persevere <i>Data Engineer</i> <ul style="list-style-type: none">• Orchestrated the Database Initiative, recommending a solution to centralize all data.• Built a Postgres Database to be used as a recommended solution• Created a comprehensive training program in Data Analytics and Engineering, leveraging such tools such as Excel, R, and Postgres SQL.• Implemented student feedback loops, leading to enhanced curriculum quality and 100% completion rates for the pilot cohort.	Williamsville, NY
2022–2023	Quick Organics <i>Principal Software Engineer</i> <ul style="list-style-type: none">• Managed Quick Organics application database and implemented migrations• Enhanced API endpoints to implement activity tracking, document storage, and data handling capabilities.• Created a multiple farm Operation Standard Procedure application which would allow businesses to complete multiple forms for each farm.	Williamsville, NY
2019–2022	Persevere <i>Senior Software Engineering Instructor</i> <ul style="list-style-type: none">• Promoted to Senior Software Engineering Instructor in 2021.• Managed multiple instructors by supplying training materials and other projects to be used in the classroom.• Built .Net and Node JS applications to be used in the classroom to enhance classroom Experience	Memphis, TN

Projects

Summer 2023	Console To-dos Application github.com/rvtovar/rust_todos <ul style="list-style-type: none">• Developed a console-based to-do application with integration into a local PostgreSQL database for efficient task management and data persistence.• Implemented seamless user interactions to enhance the overall functionality of the application• Optimized code modules using Rust to improve performance and maintainability for the application.
2022 – 2023	Quick Organics Web Application app.transition.quickorganics.com/login <ul style="list-style-type: none">• Developed scalable APIs with Django Rest Framework and PostgreSQL, significantly enhancing data retrieval efficiency.• Conducted weekly Postgres Database migrations to ensure data integrity and optimize performance, utilizing advanced SQL queries.• Collaborated with cross-functional teams to implement scalable solutions, enhancing application responsiveness by 50% within the established timeframe

Education

2009 – 2014	University of Memphis <ul style="list-style-type: none">• Bachelor of Science in Mathematical Sciences
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Skills

Programming languages:	C#, Python, JavaScript, Go, Rust
Frameworks:	.NET, Express, Django, Fast API, Vue, React
Databases:	PostgreSQL, MySQL, MongoDB

Hobbies:	Dungeons and Dragons, Video Games, and learning new frameworks. Currently super into Tauri in rust.
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