

# Carlos Rosales

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## Education

### University of Saint Francis

Graduated May 2022

Joliet, Illinois

- Bachelor of Science, Computer Science
- Relevant Coursework: Operating Systems, Advanced Data Structures, Computer Science I & II, Computer Hardware & Architect, Database Management, Discrete Mathematics, Calculus I & II

## Experience

### General Motors - Software Developer

Jan 2023 – Present

Austin, Texas

- Developed, tested, debugged, and documented 3+ enterprise-level microservice software applications of the Global Manufacturing organization, modernizing and providing key configuration to plant floor systems and driving towards GM corporate goal to scale to 1M+ EVs profitability in North America by 2025
- Designed and implemented scalable RESTful APIs in .NET Core as well as consumed APIs in front-end UI React/TypeScript components based on user stories, business requirements, and design specifications to serve 10k+ daily active users based in automotive manufacturing plants
- Implemented established coding standards and methodologies within a collaborative team of 6 developers, actively engaging in the pull request and code review process to ensure code quality, and consistency.
- Worked within an agile scrum team participating in daily stand-up meetings, sprint planning, and sprint review sessions while contributing to 100% continuous integration and deployment (CICD)

## Skills

- **Languages** | C#, TypeScript, JavaScript, Java, Python, C++, HTML/CSS, PostgreSQL, MySQL, C, Bash, MongoDB
- **Libraries & Frameworks** | React, Bootstrap, MaterialUI, XUnit, Jest
- **Tools & Technologies** | VSCode, Visual Studio, Node.js, GitHub, Azure, Insomnia, PGAdmin, Vim, Linux, Windows, VMWare ESXI, JSON, Agile, Heroku

## Projects

### Student Management System (MongoDB, Express, React, NodeJS)

- Created a Full-Stack Responsive Web Application that allows users to perform fundamental CRUD operations on student information such as name, grade, and section
- Developed the RESTful API with Express stored data into MongoDB Atlas

### Job Web Scraper (Python, BeautifulSoup)

- Used Python requests library to retrieve website's information while incorporating the BeautifulSoup library to search the website for specific job data

### Personal Portfolio (HTML, CSS, JavaScript)

- Constructed a single page static website to serve as a personal portfolio and hosted it on GitHub Pages

## Extracurriculars

- Society of Hispanic Professional Engineers Member
- USF Computer Science and Finance Club