

# Juan Carlos Cattaneo

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## Skills

C#, C++, Python, MySQL, Azure DevOps, WPF, .Net Framework, MS Testing, NUnit Testing, CI/CD Azure Pipelines, NuGet Packages, Bash Scripting, PowerShell Scripting, Git, GitHub, Linux, Windows, Mac, Arduino, Raspberry Pi, Jetson Nano, JavaScript, React, Ruby on Rails, CSS3, HTML5, Node.js, Amazon Web Services S3 (AWS), MongoDB, PostgreSQL, Tosca, Testim.IO, Agile Dev, Scrum, Figma, Object-Oriented Programming (OPP), Data Structures and Algorithms, Professional Development, Continuous Education

## Professional Experience

[Carl Zeiss Meditec](#) | Software Engineer | June 2021 - Present

Software Engineer - Full-time employee

- Setup data model and fulfilled tables with attributes for MySQL database
- Troubleshooted and debugged code for bugs, found solutions, and removed warnings
- Continuous full stack development with MVVM pattern in C# with 97+% MS Unit test coverage
- Managed and distributed NuGet packages in Azure DevOps Artifacts
- Setup and integrated a .Net Framework app, applying CI/CD workflow in Azure Pipelines
- Wrote sw req., user stories, and test req., and participated in agile development ceremonies
- Applied OOP concepts to refactor 80% of a WPF application and supported future iterations
- Worked in back-end and front-end with C++ from sensors to a desktop application in C# WPF
- Developed graphical application for Linux with C++ and OpenCV
- Provided support to system engineers and researchers creating Python APIs and applications

Software Quality Assurance - Intern 2021

- Recorded, reported, and investigated defects following test workflows and SW requirements
- Performed manual/automated tests with Tosca and Testim.IO for Desktop and WebApps

Front-End Software Engineer - Intern 2021

- Utilized **React** with **Hooks** in the front end, for code reusability, scalability, and efficiency
- Developed **Unit tests** to meet acceptance criteria for reliable code and quality standards

## Personal Projects

[Sellsy](#) | [GitHub](#) | Ruby on Rails, JavaScript, React / Redux, PostgreSQL, AWS, Webpack, CSS, SCSS

*Project Description* Inspired by Etsy, full stack e-commerce, where users can sign up or sign in, search, and add products to the cart

- Incorporated **CRUD** actions to create, read, update/edit, and delete reviews and products
- Implemented **AWS S3** to reduce server load, add multiple images, and keep the app lighter

## Education

[Diablo Valley College](#) | Fall 2023 | Pleasant Hill, CA

Certificate | Computer Science | Program Design (In progress - Spring 2025)

[App Academy](#) | Fall 2020 | San Francisco, CA

Certificate | Full-stack Software Engineer - Software Engineering Bootcamp (+1,000-hours program)

[California State University, East Bay](#) | Spring 2019 | Hayward, CA

Bachelors Degree | Business Administration | Information & Technology Management

[Diablo Valley College](#) | Spring 2015 | Pleasant Hill, CA

Associate Degrees | Business Administration | Economics