

# Juan Carlos Cattaneo

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## Skills

C#, C++, Python, MySQL, Azure DevOps, WPF, .Net, 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

*Project Description* Inspired by Etsy, a full-stack e-commerce web app, users sign up/sign in, search, add to 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 Software Engineer | Software Engineering Full-stack 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 Degree Business Administration | Associate Degree Economics