

# 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

- Designed data models and populated MySQL database tables with relevant attributes
- Troubleshoot and debugged code, resolved software bugs, and eliminated compiler warnings
- Contributed to full-stack dev. using the MVVM pattern in C# with 97%+ MS Unit Test coverage
- Managed and distributed internal NuGet packages via Azure DevOps Artifacts
- Set up and integrated a .NET Framework app. with CI/CD workflows using Azure Pipelines
- Authored software reqs., user stories, and test specs; actively participated in Agile ceremonies
- Applied OOP principles to refactor 80% of a WPF app., enabling scalable future development
- Built a C++ back-end for sensor controls and a C# WPF front-end for the desktop interface
- Built a graphical Linux application using C++ and OpenCV
- Created and maintained Python APIs and apps to support system engineers and research teams

**Software Quality Assurance** - Intern 2021

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

**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, and 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 2026)

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