

# Jim Pollaro

## Software Engineer

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## Summary

I am a web developer with an interest in web applications built with JavaScript or Python. A big believer in making code readable and reusable, I look to make my code and applications clean and efficient. I have a strong background in engineering and science from my background doing academic research in MRI. I love problem solving and trying new technologies.

## Technical Skills

**Front-End Development:** HTML, CSS, jQuery, JavaScript, Angular, React, Vue

**Languages:** Python, JavaScript, Ruby, typescript

**Database:** MySQL, SQLite, Postgresql, MongoDB, GraphQL

**Development Tools:** git, Bootstrap, npm, MVC, Mongoose, Postman

**Frameworks:** Django, Flask, Ruby on Rails, Express.js, Node.js

## Professional Experience

**Full Stack Engineer** • Oct 2020 to Nov 2022

*Synthesgo*, Menlo Park, CA

- Member of LIMS team
- Implementing stock reservation system
- Refactor Cell information site for sales team
- Technology: Django, React.js, Redux, HTML

**Software Engineer** • Nov 2018 to Oct 2020

*DrChrono*, Sunnyvale, CA

- Implement a new payment processor into existing payment system. Allows users to pay by credit card, credit card number, and saved credit card. System is PCI compliant
- Redesigned and developed a billing profile system that is faster and more efficient. This was needed due to scaling issues
- Technology: Django, Python, Angular.js, MySQL, HTML, Javascript, GraphQL

**Software Engineer** (volunteer position) • Sept 2018 to Nov 2018

*Valley Medical Center Foundation*, San Jose, CA

- Adding features to auction platform. Working on generating invoices for winners, allowing clerks to view all items won, and participating in code reviews
- Technology: JavaScript, Node.js, Express, MongoDB, HTML, CSS, jQuery

**Consultant** • Jan 2016 to Dec 2016

**Research Associate** • Aug 2007 to June 2015

*Oregon Health & Science University*, Advanced Imaging Research Center, Portland, Oregon

- Wrote image processing scripts in Python
- Helped implement national multi-site studies
- Constructed devices and equipment for MRI acquisition
- Performed maintenance and ran acquisitions on MRI

**Associate in Research** • Aug 2004 to May 2007

*Duke University*, Center for In Vivo Microscopy, Durham, North Carolina

- Constructed animal monitoring and ventilation system using LabView
- Constructed devices and equipment for MRI acquisition
- Performed maintenance and ran acquisitions on MRI

## Education

**M.S. Biomedical Engineering**

**B.S. Electrical Engineering**

*Purdue University, Indiana*