

# RYAN CHAUSSE

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## EMPLOYMENT HISTORY

**Senior Support Engineer (Cloud Platforms), City and County of San Francisco** Nov 2022 – Present

*San Francisco, California*

- Engineering and supporting business process solutions for HR professionals in bespoke and IaaS / SaaS products with daily work in SQL, Python, Jira, and AWS
- Helping improve metrics such as time-to-hire and vacancy rate for the city. RFP for one SaaS vendor can be found at <https://www.sfhiring.com/>

**Software Engineer (Freelance)** Jun 2021 – Nov 2022

*San Francisco, California*

- Built two web platforms to allow a chain of optometry offices and a clinical psychologist to scale well

**Software Engineer (Onsite to Remote), Apeel Sciences** Jan 2020 – Feb 2021

*Santa Barbara, California and Siena, Italy*

- Used Terraform, Django, and PostgreSQL to continue work on my original initiative for experimental data wrangling and reporting
- Collaborated in Agile/Scrum context using Domain Driven Design to maintain Docker-based microservices

**Software Engineer (Remote), TruNorth Data Solutions** Nov 2018 – Jan 2020

*Siena, Italy and Pueblo, Colorado*

- Using Python/Django, lead web application development efforts on several projects for enterprise-level clients in the probate law, medicine/dentistry, construction, and I.T. sectors
- Served as engineering consultant and project manager on sales calls through to implementation and maintenance stages of SDLC
- Maintained and launched cloud services and infrastructure on Azure, AWS, self-hosted GitLab instance
- Created internal documentation and project management tools

**Software Engineer, Apeel Sciences** Feb 2018 – Sep 2018

*Santa Barbara, California*

- Created an internal Django application to track product performance and experimental data using GitLab's CI/CD, Ansible, Postgres, Django, SQLAlchemy/custom SQL.
- Implemented Agile/Scrum-like methodology and cycle analytics
- Created and maintained database of experimental data including data modeling, complex JOIN queries and constraints, backup creation/testing/storage, and ETL processes
- Hiring manager for Data Scientist, Software Engineer roles, consultant for Salesforce Administrator
- Trained interns in software architecture patterns, pair programming, design, and code review
- Evaluated and recommended software vendors for intranet, laboratory information management systems, and electronic lab notebook
- Gave regular talks to larger technical team (biologists, chemists, engineers, business stakeholders)

**Applications Programmer, College of Letters and Science, University of California, Santa Barbara**

Jan 2016 – Jan 2018

*Santa Barbara, California*

- Created a FERPA-compliant, collaborative Continuous Integration and Delivery environment according to Modern Agile principles using GitLab, AWS, MariaDB, and a now-defunct AWS clone from HP
- Re-development/modernization of legacy PHP and Perl applications using the Laravel framework (v5.4) and PHP 7.0 on CentOS, leveraging RESTful DocuSign and Salesforce APIs
- Edited and extended bespoke System Administration application that manages hypervisors and virtual machines using Yii, libvirt, and KVM/QEMU and migrated legacy DB data to modernized DB
- Maintained all C#/VB/ASP.NET projects belonging to a retiring Senior Software Engineer, with first deployment lead time of two weeks

**Software Developer, Townsville Hospital and Health Service**

Dec 2014 – Oct 2015

*Townsville, Queensland, Australia*

- Volunteered over a period of ten months as a software development team leader to create a custom website for tracking JIRA data and UI using D3.js
- Developed a Moodle Learning Management System project to integrate employee training records with an internal Queensland Health database

**Lecturer, Century Park College**

2009 / 2013 - 2014

*Machakos, Kenya*

- Taught in the Information and Communication Technology (ICT) and Certified Public Accountant programs at a private tertiary institution in semi-rural Kenya including OOP VB, PASCAL, and other equally outdated languages
- Created Githeri.com (now offline) to help English speakers learn Swahili
- Proposed, designed, sourced, and implemented new additions to the facility's aging computer lab

**Web Developer Tech Support Representative, PayJunction**

Jun 2011 — Mar 2013

*Santa Barbara, California*

- Besides general technical support, wrote code modules to integrate business and non-profit e-commerce sites with the PayJunction credit card processing API
- Created application to dial in to card association back-ends (Visa, MasterCard, Discover, American Express) and perform CRUD operations on merchant accounts written in REXX. Reduced data entry mistakes to near-zero and saved hours per week in data entry task time

**CONFERENCES**

- DocuSign Momentum and AnsibleFest, San Francisco, California 2017
- University of California Computing Services Conference, 2016 and 2017

**EDUCATION**

- Bachelor of Science, Biopsychology, University of California, Santa Barbara, 2009
- Coursera MOOC Courses: Data Management for Clinical Research, Financial Markets, Data Structures and Algorithms specialization (ongoing), and more