Ryan Chausse

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GitHub

Profile

What motivates me: Thinking deeply before writing code in order to reduce the need for maintenance. Writing software with a focus on readability. Implementing most abstractions as they naturally emerge. Being accountable to users.

Technical Skills: Python, TS/JS, AWS, Django, Laravel, MariaDB, PostgreSQL, Celery, CI/CD, Lambdas/SQS microservices, Azure, React, Bootstrap, Ba(sh), Git/GitFlow, XP, DevOps, data structures and algorithms, DB (de)normalisation, and many more.

Select Experience

Full Stack Software Developer — Docklands, VIC
North Western Melbourne Primary Health Network — 2026 - Present
- Wrote a full-scale migration for the existing MySQL database for a transition to SQLAlchemy/PostgreSQL.
- Introduced strict Flask security policy configuration which required writing a large front-end refactor.
- Reduced total lines of code in several pull requests, finding areas to DRY up without arbitrary encapsulation/abstraction.
- Extended, secured, corrected, and aligned API endpoints interacting with a panoply of third parties and formats.

Senior Software Developer — Melbourne, VIC
Genomical — 2025 - 2025
- Extended and improved existing microservices architecture for data engineering in the clinical medical genetics space.
- Reduced latency by profiling the existing system and making changes in the most critical areas.
- Made contributions across the React front end, the serverless web app backend, and the core infrastructure.

Senior Support Engineer, Cloud Platforms — San Francisco, CA
City and County of San Francisco — 2022 – 2024
- Led the support team during rapid growth, using Python to scale to 300% more tickets with no additional headcount.
- Resolved many business process ambiguities in collaboration with cross-functional teams across every city department.
- Via AWS/Python, detected and fixed erroneous database records, enabling at least one FTE in time savings.
- Managed documentation, ensuring correctness, organisation, legibility, and availability.

Software Engineer — Italy and Colorado, USA
Freelance / TruNorth Solutions — 2018 - 2020 / 2021 - 2022
- Consulted with sales, management, and clients to create bespoke web application solutions (Django/Postgres/EC2/SES).
- Wrote / deployed HIPAA-compliant web applications, eliminating the need for an expensive EMR SaaS and DocuSign.
- Managed DevSecOps, ensuring reliable and positive outcomes for psychologists and optometrists.

Software Engineer — Santa Barbara, CA
Apeel Sciences — 2018 / 2020 - 2021
- Spearheaded lab web application initiative, allowing stakeholders to view performance characteristics of the product.
- Created a database of quantitative experimental data in collaboration with the biological and chemical teams.
- Managed stakeholder requests, ensuring proper prioritization of work and frequent, high signal communication.

Applications Programmer — Santa Barbara, CA
University of California, Santa Barbara — 2016 - 2018
- Maintained legacy web applications (Perl, PHP) in the College of Letters and Science I.T. department.
- Launched a new web platform initiative to support rapid and modern future web application development.
- Managed DevOps (GitLab, libvirt/KVM/QEMU, Docker). Wrote and deployed migrations for legacy database.

Additional

Education: Bachelor of Science, Biopsychology, University of California, Santa Barbara

Nonprofit Work: Board Member, Salesforce Administrator, and Webmaster, Tenderloin Tessie

Volunteer Experience: Taught programming and select classes in accounting to rural students in Kenya. Management of stallman.org on behalf of Richard Stallman. Swam from Alcatraz to San Francisco to fundraise for Full Picture Justice.

Interests/Hobbies: Commissioned Notary Public, County of San Francisco. Certified forklift operator. Interested in civil and mechanical engineering, law, international relations, medicine, and I/O psychology. The Lilydale to Warburton Rail Trail.