

Peter Fonseca

Senior Software Engineer with 8+ years of experience · San Francisco · (707) 889-2431

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Skills **Core:** Python, Django, Ruby, Rails, JavaScript, React, Typescript, Redux, SQL
Infrastructure: AWS, Docker, Microservices, CI/CD, Scripting
Domain: APIs, Problems of Scale, Healthcare Data Systems, FDA Compliance

Experience **Sr. Software Engineer** · 2019 - Nov. 2024 · [23andMe](https://23andme.com)

- Built high-visibility features across our product used by millions of customers, supporting rapid growth of the company
- Created a pre-approved Medical Device API, replacing FDA legal reviews and accelerating new health feature launches from months to weeks
- Led technical designs with cross-functional teams, setting best practices for working with product scientists
- Piloted technical stack architectural improvements including microservices, new CI/CD frameworks, modern ORM adoption, react-based frontends, static type-checking, and asynchronous processing

Software Engineer · 2016 - 2019 · [23andMe](https://23andme.com)

- Hired, mentored and led a team of five engineers across three concurrent projects, fostering growth of our talent pool
- Owned and scaled the external-facing API + developer program
- Led an API working group, defining architectural patterns across teams

Clinical Research Coordinator · 2014 - 2016 · [UCSF Memory and Aging Center](https://www.ucsf.edu/memory-and-aging-center)

- Automated key aspects of my role with Python, accelerating a patient summary approval bottleneck
- Introduced scientific Python to excel-only data analysis workflows, improving data quality and visibility during presentations

Notable Projects [23andMe](https://23andme.com) (Python, Django)
Medicine Cabinet Update
Import medications to compare with AI-driven reports

- Led technical investigation of new and complex data sources, enabling thousands of customers to get actionable results

[23andMe](https://23andme.com) (Python, Django, Docker)
Ancestry Book
Coffee-table book with personalized ancestry results

- Led a team to build the company's first recurring revenue feature in partnership with an external printing company
- Was responsible for the entire project, from the overall approach to the cloud deployment
- Shipped on a tight deadline, allowing sales to start ahead of the holiday rush

[Brass Mono](https://brassmono.com) · Personal (font)
Open source font

- Designed an automated build pipeline

Education [App Academy](https://appacademy.com) · 2016 · San Francisco, CA
Industry-focused software engineering bootcamp

University of California, Santa Cruz · BS in Biology · 2010 - 2014