

# Peter Fonseca

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

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**Skills** **Core:** Python, Django, JavaScript, React, 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](#)

- 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](#)

- 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 the teams

**Clinical Research Coordinator** · 2014 - 2016 · [UCSF Memory and Aging Center](#)

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

**Notable Projects** [Medicine Cabinet Update](#) · 23andMe ( Python, Django )  
*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

[Ancestry Book](#) · 23andMe ( Python, Django, Docker )  
*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

[API Buddy](#) · Personal ( Python )  
*Open source HTTP API CLI tool*

- 100% code coverage

**Education** [App Academy](#) · 2016 · San Francisco, CA  
*Industry-focused software engineering bootcamp*

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