

# Rachel Stein

Fullstack/Backend Senior Software Engineer with 5+ years of experience

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## Skills

**Tools & Technologies:** Python; Ruby on Rails; Java; Elixir Phoenix; Swift iOS; React; JavaScript; SQL databases; Git; REST

**Methodologies:** Robust testing; Microservices; Peer mentorship; CI/CD; Agile; Code review, documentation, & readability

## Professional Experience

**Educational Leave** | [New York University](#)

Apr 2023 - Jun 2024

Completed a master's at the Steinhardt School. Self-designed studies focused on the role of technology in nonformal education.

**Software Engineer** | [The Mom Project](#)

Jan 2022 - Jan 2023

Platform engineer at a digital talent marketplace (series C) startup focused on helping women remain active in the workforce.

- **Monolith Monitoring & Workflow Enhancements:** Led a successful initiative to drastically improve the primary product's monitoring system, achieving a 98.89% reduction in the monolith's average daily unique error count weeks ahead of schedule. Accomplished by designing & implementing advanced triaging protocols, automating key processes via GitHub Actions, optimizing database queries, & resolving React application errors.
- **Refactoring Authentication:** Worked on & then led an initiative to refactor user authentication, enhancing its robustness & usability during the transition from the existing Rails monolith to a microservices architecture.
- **Organization-Wide Initiatives & Collaboration Improvements:** Championed organization-wide engineering improvements, including enhanced unit testing scaffolding. Collaborated with leadership to establish effective on-call rotations & make the Architecture Guiding Committee more accessible.

**Software Engineer** | [8th Light](#)

Oct 2018 - Dec 2021

Fullstack engineer at a software consultancy focused on creating elegant, robust, & groundbreaking digital solutions.

- **Contribution Recognition:** Promoted from junior to mid-level fullstack software engineer.
- **Greenfield iOS Development:** Member of a small cross-functional team that developed a Swift iOS app with a Java REST API, which streamlined delivery drivers' workflows for a national food delivery service. Work included integrating & documenting SOAP & XML legacy systems. The app received overwhelmingly positive feedback from drivers, particularly regarding its ease of use & practical value.
- **Legacy Systems Migration:** Contributed to the U.S. Department of Defense's migration from a decades-old application to a Rails GraphQL platform for processing, evaluating, & enrolling military applicants. Served as a primary engineer for integration services, ensuring seamless legacy SOAP support & leveraging AWS Lambda for efficient CSV file parsing.
- **Mentorship & Leadership:** Formal mentor for internal junior engineers, helping guide their technical development & career growth. Collaborated with client engineering leadership to enhance organization-wide engineering practices, including code review process improvements.

**Software Engineer** | [Telnyx](#)

Aug 2017 - Apr 2018

Python backend product engineer at a next-generation telecommunications (mid-stage) startup.

- **Greenfield Product Development:** Key member of a three-person engineering team that built out & scaled up the company's MVP messaging service: text messaging using an HTTP API. As the service rapidly became a significant revenue stream, the team expanded to eight engineers to support growing demand.
- **Product Platform Scalability:** Spearheaded an initiative to enhance the messaging product's performance & reliability in response to exponential load growth by breaking functionality into microservices, implementing redundancy, database sharding, & enhanced monitoring capabilities.

## Education

**New York University, Steinhardt School**

Master of Arts (M.A.), Specialized Studies in Education (2023 - 2024)

**Swarthmore College**

Bachelor of Arts (B.A.), Computer Science (2011 - 2015)

Minors: Education Studies & Art History