

# Caroline Tierney Marcks

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GitHub:carolinemarcks • <https://carolinemarcks.dev>

- Languages** Javascript (Node.js, Flow), Scala, Java, other functional programming languages
- Other Skills** AWS (Lambda, CloudFormation, API Gateway, SAM, etc), GraphQL, SOA, MySQL, Git
- Interests** API Design, Infrastructure as Code, Mentorship, Functional Programming, Diversity in Tech
- Experience**
- Meetup**
- Staff Software Engineer, Developer Platform** — Aug'18 - May'19
- Designed and executed a new API strategy to make it possible for teams to independently own & operate their APIs.
  - Built starter kit with AWS SAM templates for teams to stand up their own API infrastructure.
  - Added canary deployments and rollback capabilities to shared API Gateway infrastructure.
  - Partnered with the mobile apps team to prototype a GraphQL API and explore whether using the technology could solve problems for our mobile engineers.
  - Interviewed engineering candidates for staff and manager roles.
- Senior Software Engineer, Developer Platform** – Jul '17 - Aug '18
- Assumed the role of engineering lead for the API Platform team (Jan '18 - present). Scoped and prioritized the team's work, as well as being the technical go to for API related questions and decisions.
  - Researched and decided on a new API strategy to help move Meetup away from the monolithic API. Built out a platform to support this strategy, and created tooling for deploying lambdas to back REST API endpoints.
  - Designed and iterated on a process to help engineers confidently make engineering and architecture decisions.
  - Participated in a working group to create Meetup Engineering's Architecture Principles.
  - Migrated the monolith's to Amazon SQS from internally hosted RabbitMQ for worker queue needs.
  - Mentored junior and newly senior members of the Developer Platform team.
  - Interviewed engineering candidates for senior, staff, manager, and director roles.
- Senior Software Engineer, Member Engagement** – Nov '15 - Jul '17
- Served as engineering lead for the member engagement team from May '15 - Oct '16. Worked jointly with the Product Manager to scope and prioritize the team's work.
  - Built API endpoints to support our redesigned web experience and new web platform.
  - Built the backend for a group communications feature, which included one of Meetup's first non-monolithic services.
  - Scaled the next generation notifications platform out to all pushable members, which included a move of the system from a datacenter to the cloud.
  - Mentored an intern on the team, who later received and accepted a full time offer.

**Meetup (cont.)****Software Engineer, Member Engagement – Jul '14 - Nov '15**

- Owned and operated the Meetup notifications platform which sends out ~20M notifications per day. Built a new system that personalized content and delivery times from the ground up.
- Implemented many notifications that had significant impact on top line business metrics.
- Oversaw development of a new API for Meetup's redesigned apps.
- Interviewed engineering and product management candidates.

**Rapid 7, Software Engineering Intern – Jun '13 - Jan '14****Tufts University CS Dept., Teaching Assistant – Jan '13 - May '13****University of Illinois, Urbana Champaign, PoP REU Researcher – Jun '12 - Aug '12****Prudential Retirement, Data Analyst Intern and Project Manager – Jun '11 - Sep '11****Education**

Tufts University, School of Engineering  
Bachelor of Science in Computer Science, Summa Cum Laude

**Hobbies**

Music composition & soundtrack curation  
Food science — currently experimenting with fermentation in the form of hopped kombucha