

# Mark Cerqueira

ENGINEERING LEADER

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## Professional Experience

### Pinterest

SENIOR DIRECTOR OF ENGINEERING, CLIENT FOUNDATIONS

January 2024 - Present

- Led an org of 140 people (80 FTEs, 60 contractors) including supervising managers of managers across the USA, Canada, and Mexico.
- Directed the strategic modernization of Android, iOS, Web, API, and Design Systems platforms to enhance productivity, improve quality, and unlock new feature capabilities, impacting internal developers and external customers.
- Drove initiatives such as Swift on iOS, Modern UDF Architecture on Android, React 19, Graviton EC2 Migration, GraphQL Modernization, and Metrics Deliverability.

DIRECTOR OF ENGINEERING, CLIENT PLATFORMS

June 2022 - January 2024

- Led an org of 50 people across 5 teams: Android Platform, iOS Platform, Web Platform, API Platform, and Product Excellence.
- Identified, championed, and drove large-scale initiatives that modernize our clients and API to provide a world-class developer experience.
- Scaled the team through both recruiting efforts and growing internal talent.

### Twitch

DIRECTOR OF ENGINEERING

July 2021 - June 2022

- Led an org of 21 people with two managers responsible for Mobile Foundations, Viewer, and Community.
- Directly managed the Mobile Foundations team including defining vision and developing roadmaps to advance mobile development.
- Delivered initiatives such as a macOS EC2 Migration, GraphQL Query Batching support in Apollo, Client Resilience, and Mobile Observability.
- Proposed and spearheaded establishing Twitch's apprenticeship program.

SENIOR ENGINEERING MANAGER

April 2018 - July 2021

- Managed a team of 12 Android and iOS Engineers on 100+ Twitch Viewer and Community infrastructure and feature projects.
- Planned, organized, reviewed technical design, managed execution and risks with cross-functional teams consisting of over 300 people.
- Doubled the size of the iOS team in half a year. Hired, mentored, and converted two interns into full-time roles.
- Formed a company-wide Leadership Book Club: a monthly meeting to discuss leadership and management books.

SENIOR SOFTWARE ENGINEER

April 2017 - April 2018

- Developed features for Ads, Clips, Creator, and VOD on both Android and iOS.
- Developed a Kotlin DSL-style framework for UI testing on Android.
- Led initiatives to improve documentation, continuous integration, build times, tracking validation, and real-time monitoring and alerting.

### Evernote

SENIOR SOFTWARE ENGINEER

November 2014 - April 2017

- Android and iOS developer building delightful apps for note-taking, organizing, and archiving everything used by millions.
- Led community-building events: emcee for company-wide demo days, coding workshops for non-engineers, and Hack Week planning.

### Smule

SOFTWARE ENGINEER

August 2010 - August 2014

- iOS development (2010 - 2012) and Android development (2012 - 2014) on Ocarina, Magic Piano, Magic Fiddle, and Sing Karaoke.
- Managed and improved continuous integration and release engineering for Android and iOS.

## Education

### Princeton University

Princeton, New Jersey

B.S.E. WITH HONORS IN COMPUTER SCIENCE, CERTIFICATE IN SPANISH AND PORTUGUESE | GPA: 3.80

2006 - 2010

## Technical Projects

**ChuckPad** enables users to create, curate, and share code from music programming environments. Developed the Sinatra server, iOS SDK, suite of unit tests, and Docker image for rendering Chuck patches. Co-author of paper published in New Interfaces for Musical Expression 2017.

**SoundCraft** enables real-time data gathering from a StarCraft 2 game, allowing for musical interpretation of the game in novel ways. Led development of the data parser and was first author of the paper published in New Interfaces for Musical Expression 2013. Learn more at [mark.gg/soundcraft](http://mark.gg/soundcraft).

**Laptop Orchestra Network Toolkit (LORkNeT)** measures and evaluates network conditions for live computer music performance. LORkNeT was used to identify and remedy issues affecting the Princeton Laptop Orchestra. Learn more at [lorknet.cs.princeton.edu](http://lorknet.cs.princeton.edu).

## Fun Facts

- Fluent in English and Portuguese, conversational in Spanish, scrappy Mandarin.
- Enjoys running. Personal record: ran the Big Sur Half Marathon in 1:36:30.
- Undisputed champion of the BaseTradeTV StarCraft 2 Sponsor Showdown. Carriers aficionado.