

ANDREW DEFranco

andrew@defran.co
(415) 205-9401

TECHNICAL EXPERIENCE

Neeva

October 2022–January 2023

Senior Mobile Developer

Built proof-of-concept mobile experience at the intersection of generative AI and search. Launching in 2023 Q1.

Stationhead

September 2017–August 2022

Attracted and monetized first five million engaged users, bringing the social radio app from stealth mode to Series A

Lead Android Developer

December 2020–August 2022

- Led, recruited, and mentored a small team to build out the Stationhead Android application.
- Refactored core application functionality to accelerate developer productivity and improve application performance and scalability.
- Established high standards for code quality, and implemented tooling and processes to maintain them.
- Designed and implemented custom reactive state-management framework inspired by Cycle.js and Eve that reduced UI bugs and inconsistencies by 80+%.

Lead Architect for Revenue

August 2019–December 2020

- Led cross-functional team (iOS, Android, Backend, UI, UX) in developing the first revenue-generating feature.
- Performed a competitive analysis of platforms with tipping functionality and scoped product requirements.
- Designed and built a new backend service with strong consistency guarantees.
- Implemented secure integrations with In-App-Purchase and payments providers.
- Designed and built dashboards to monitor key metrics, service health, and flag fraudulent activity for case-by-case resolution.
- Researched security best practices, and hardened our entire product against spoofing and man-in-the-middle attacks by implementing unique per-request cryptographically signed tokens.

Full-Stack Mobile Developer

August 2017–August 2019

- Contributed to our AWS-hosted backend, iOS client application, and React-based web apps.
- Architected and implemented a load-testing system to stress-test our server infrastructure at scale.
- Refactored our JSON serializer to enable more flexible responses with an easy-to-use builder-pattern based API.
- Designed schema, migrations, and ETL pipelines for SQL, Redis, and Elasticsearch databases.
- Designed and documented APIs using REST and WebSockets.

Affinitiv

March 2016–September 2017

Full-Stack Software Engineer

- Updated product to a modern and responsive web app written in React and Python and hosted on AWS
- Transitioned to a microservice architecture from a 25-year-old Delphi monolithic codebase
- Built secure integrations with data-partners' APIs over HTTP and AMQP

EDUCATION

Moritz College of Law at The Ohio State University (Columbus, OH)
Oberlin College (Oberlin, OH)

2012
2008

SKILLS:

- Languages: Ruby, Python, Swift, Kotlin, Elixir
- Front-end: Android, iOS, React, vanilla JavaScript, HTML, CSS
- Databases: SQL, Redis, Elasticsearch
- Dev-ops: AWS, Netlify, Linux, Docker, Kubernetes, Git, GitHub, CircleCI
- Networking: HTTP, REST, GraphQL, gRPC, WebSockets, Kafka, AMQP