

ANDREW DEFRANCO

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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.
- Developed recruiting assessment materials and protocols.
- 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.
- Collaborated with cross-functional stakeholders to set priorities and timelines.
- Designed and implemented custom reactive state-management framework inspired by Cycle.js and Eve that reduced UI bugs and inconsistencies by 80+%.
- Managed beta testing and deployments using the Google Play Console.
- Monitored, diagnosed, prioritized, and fixed crashes and user-reported bugs.

Lead Architect for Revenue

August 2019–December 2020

- Led cross-functional team (iOS, Android, Backend, UI, UX) in developing Stationhead's first revenue-generating feature (tipping).
- Performed a competitive product analysis of platforms with tipping functionality and scoped product requirements.
- Investigated a build-vs-buy analysis of existing service providers.
- Collaborated with design and mobile development teams to create and implement the user experience.
- 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 REST endpoints for new features.
- Developed realtime features using WebSockets and Firebase.
- Built web-based dashboards and internal tools using React and Redux.
- Performed ad-hoc business analyses using raw SQL queries.

Affinitiv

March 2016–September 2017

Higher Gear: Automotive Customer Relationship Management Software

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
- Designed and implemented an entirely new D3 dashboard to deliver critical business insights
- Created a suite of interactive reports to enable clients to drill-down into interaction-level data
- Built secure integrations with data-partners' APIs over HTTP and AMQP
- Built pixel-perfect Web UI with glancable and prioritized information-dense views adapted to phones, tablets, and large computer screens

PRESENTATIONS:

NYC.rb meetup: “Writing Less Ruby, the Ruby Way”

April 12, 2016

EDUCATION & PROFESSIONAL EXPERIENCE

App Academy (New York, NY)

2015

- Intensive full stack web development bootcamp—acceptance rate < 3%
- Focus on best practices, test driven development, and pair programming

Legal Practice (New York and Ohio)

2012–2015

- Judicial Extern for Chief Judge R. Guy Cole, US Court of Appeals (2012)
- Notable Clients: The Columbus Clippers MiLB Baseball Team
Valeant Pharmaceuticals
Obama For America

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

2012

- Editor: Ohio State Law Journal (6 volumes per year)

Oberlin College (Oberlin, OH)

2008

- Major in Politics, Minor in Economics
- Composer in Residence, Oberlin Chamber Orchestra

SKILLS:

- Ruby, Python, Swift, Kotlin, Elixir
- Android, iOS, React, vanilla JavaScript, HTML, CSS
- SQL (Postgres, MySQL, MariaDB, Athena, SQLite), Redis, Elasticsearch
- AWS(Lambda, EC2, S3, Route53, ELB), Netlify, Linux, Docker, Kubernetes, Git, GitHub, CircleCI
- HTTP, REST, GraphQL, gRPC, WebSockets, Kafka, AMQP
- Agile Development, TDD, Documentation
- Sprint & Quarterly Planning, strategic planning, estimation, feasibility analysis
- Cross-functional collaboration
- Mentoring, PR reviews, Pair Coding