Andrew DeFranco

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Technical Experience

Stationhead, Inc
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 Inc.
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"   *Apr 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) (Various Employers)   *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, Java, Elixr
- Android, iOS, React, vanilla JavaScript
- SQL (Postgres, MySQL, MariaDB, Athena), Redis, Elasticsearch
- AWS(Lambda, EC2, S3, Route53, ELB), Netlify, Linux, Docker, Kubernetes, Git, GitHub, CircleCI
- HTTP, REST, WebSockets, Kafka, AMQP
- Agile Development, TDD, Documentation
- Sprint & Quarterly Planning, strategic planning, estimation, feasibility analysis
- Cross-functional collaboration
- Mentoring, PR reviews, Pair Coding