



Jake Elrod

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<http://jakeelrod.com>

Engineering leader specializing in cross-platform mobile systems, scalable architecture, and product-driven development, with deep expertise in iOS.

Experience

ENGINEERING MANAGER, ANGI – 2024-PRESENT

- Led cross-platform engineering teams spanning iOS, Android, and backend systems across B2C applications and internal tooling
- Led several initiatives including:
 - Migration off old analytics systems, reducing costs
 - Pro Insights, which showed Pros how their performance compared to others, leading to statistically significant increases in key engagements metrics
 - HCC. Both a compliance and desired feature, improving lead quality for Pros overall
 - Drove platform consolidation from multi-app architecture to a unified cross-platform product, reducing maintenance overhead and improving feature velocity
 - Defined shared data contracts and APIs to support multi-platform feature parity
 - Partnered with backend teams to standardize service architecture supporting mobile clients
 - Drove alignment between mobile, web, and backend systems for feature delivery
 - Migration to a single sales system, reducing maintenance needs and cost
 - Contract compliance, enforcing end users had properly signed contracts
- Regular 1:1's with engineers, discussing challenges, goals, growth opportunities, and best ways to support them
- Worked with product and project management teams to create an effective SDLC

TECHNOLOGIES:

Mobile: Swift, Kotlin, Objective-C

Backend: AWS, Go, Java, RESTful services

Frontend/Web: React, JavaScript

Infrastructure & CI/CD: GitHub Actions, Jenkins, Bitrise, Fastlane

Tooling: Xcode, Android Studio, IntelliJ

FULL TIME STUDENT, AUBURN UNIVERSITY – 2023-2024

- Master of Science, Finance
- 3.8 GPA



Jake Elrod

DIRECTOR OF MOBILE, RAYA – 2022-2023

- Managed a team of 14 iOS engineers and managers
- Led architectural decisions impacting cross-platform scalability and modularization
- Led large technical initiatives such as modularizing the app
- Led the technical and team direction for Raya's flagship iOS app
- Worked with product and project management teams to create an effective SDLC
- Worked with leadership to create a more effective hiring process
- Led the transformation of Raya's CI to be more streamlined and scalable

TECHNOLOGIES:

Mobile: Swift, Objective-C, SPM

Backend: AWS, RESTful services

Frontend/Web: React, JavaScript

Infrastructure & CI/CD: GitHub Actions, Fastlane, Bash

DIRECTOR OF ENGINEERING, IOS, IHEARTRADIO – 2020-2022

- Managed a team of 20+ iOS engineers and managers
- Managed relationships with external contracting partners for the iOS team
- Partnered with backend teams to support multi-platform feature delivery across mobile ecosystems
- Managed iHeart's Apple Developer Accounts
- Led the technical and team direction for iHeartRadio's flagship iOS application
- Worked with product and project management teams to create an effective SDLC
- Assisted in feature development of iHeartRadio's flagship application
- Assisted in architectural decisions for iHeartRadio's flagship application
- Led engineering efforts for iHeart's new iOS app, Podtastic!

TECHNOLOGIES:

Mobile: Swift, Objective-C, SPM, Cocoapods

Backend: AWS, RESTful services

Infrastructure & CI/CD: GitHub Actions, Jenkins, Fastlane, Bash, Python

LEAD IOS ENGINEER, NC2MEDIA & LONELY PLANET – 2017-2020

- Led engineering efforts for SDK and a companion app for the SDK
- Built iOS frameworks for use across all iOS products

- Contributed to cross-platform SDK development across iOS, Android, and backend services
- Collaborated on web and backend systems supporting mobile applications
- Helped define shared architecture across mobile and service layers

TECHNOLOGIES:

Mobile: Swift, Kotlin, Objective-C, Java

Backend: AWS, Go, Java, RESTful services

Frontend/Web: React, JavaScript, Semantic-UI

Infrastructure & CI/CD: Jenkins

Tooling: Xcode, Android Studio, IntelliJ

MANAGER & PRINCIPAL SOFTWARE ENGINEER, ASURION – 2014-2017

- Led engineering efforts for US & Philippines iOS Engineers
- Contributed to cross-platform mobile development, including Android application architecture and shared service integration
- Managed US-based iOS engineers distributed between CA and TN
- Owner/Manager of Asurion's Apple Developer & iTunesConnect Accounts
- Assisted in technical efforts for all projects (3-6 active projects at any given time)
- Built proprietary iOS frameworks for use across all iOS products
- Built a new CI process for all of the iOS applications
- Built custom controls (pie chart, checkbox, progress circle, etc) for our projects
- Received formal security training in penetration testing & mobile defense

TECHNOLOGIES:

Mobile: Swift, Objective-C, Java

Backend: AWS, Python, RESTful services

Frontend/Web: React, JavaScript, Semantic-UI

Infrastructure & CI/CD: Jenkins, Bamboo, Terraform

Tooling: Xcode, Android Studio, IntelliJ, PyCharm

PROGRAMMER ANALYST, NFIB – 2012-2014

- Responsible for iOS applications
- Built CI process for the iOS applications

- Contributed to Android and mobile web platforms alongside iOS, supporting multi-platform product strategy
- Assisted in maintenance of our database and backend sales operations systems

TECHNOLOGIES:

Mobile: Objective-C, Java

Backend: [ASP.NET](#) MVC, C#

Frontend/Web: [ASP.NET](#) MVC, C#

Infrastructure & CI/CD: Jenkins

Tooling: Xcode, Eclipse, Visual Studio

INNOVATION ENGINEER, C7 TECHNOLOGIES – 2011-2012

- Responsible for maintaining and improving backend services
- Assisted in development of front-end applications
- Developed an [ASP.NET](#) web application for administration of the system

TECHNOLOGIES:

Backend: [ASP.NET](#), C#, WCF

Frontend: WPF, C#

Infrastructure & CI/CD: Jenkins

Tooling: Visual Studio

Education

Lipscomb University – B.S. Mathematics & Computer Science, 2010

Lipscomb University – M.S. Software Engineering, 2014

Middle Tennessee State University - M.S. Mathematics, 2020

Auburn University - M.S. Finance, 2024

Certifications

GIAC Web Application Penetration Tester - 2016

GIAC Secure Software Programmer - Java - 2017

Side Projects

ICALC: MATH GPT AI CALCULATOR

iCalc is an advanced calculator that supports scientific, financial, and graphing calculator functionality with a built in AI solver and chat.

<https://apps.apple.com/app/apple-store/id6448191549>