

ALEX MELNYCHUCK

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SUMMARY

Software engineering leader with a strong track record of building effective and high-performing engineering teams and launching mission-critical healthcare applications used by thousands of professional end-users and millions of consumers.

RECENT HIGHLIGHTS

- Tripled iOS team output per release by defining and driving adoption of engineering, testing, and design best practices
- Scaled and managed a mobile engineering organization from 1 to 13 engineers with excellent teammate retention
- Maintained a consistent 2 week delivery cycle while outperforming organization quality metrics
- Led development of multiple specialized internal frameworks to support mobile strategy at scale

SKILLS & AREAS OF EXPERTISE

- Cross functional team leadership (engineering, design, product)
- Building consistent delivering teams from the ground up
- Mobile app development and user experience design (Swift, SwiftUI, Human Interface Guidelines, Material Design)
- Deep knowledge of Apple platforms and experience with Android and Web
- DevOps, Continuous Integration, and automation
- Design systems, component reuse, and modular application strategies (Sketch, Figma, bespoke frameworks)
- Testing excellence through effective QA and targeted testing automation
- Comfortable contributing at code-level to kickstart or reach critical project milestones on schedule
- Process improvement and SDLC implementation (Scrum/Agile methodologies)
- Project and product management, technical documentation, and requirements
- Team and culture development, conflict management, mentoring, and growth

WORK EXPERIENCE

Sidecar Health (Pioneering Approach to ACA + Employer Group Health Insurance)

5 months

Director, Mobile Engineering

April 2022 - August 2022

Overhauled mobile engineering and design strategy across iOS and Android platforms while leading a team of 6 direct report iOS mobile engineers and QA testers:

- Tripled iOS team output per release by defining and driving adoption of engineering, testing, and design best practices
- Led delivery of push notification and expense-related functionality on iOS and Android, while improving key iOS app capabilities through native redesigns of claims, payments, document upload, and onboarding flows across 7 releases
- Coordinated requirements and delivery of backend APIs across internal and production environments to support key mobile functionality and eliminate cross team collaboration inefficiencies
- Visualized rewrite opportunities with personally developed SwiftUI and Jetpack Compose prototypes—laying the groundwork for adoption of new form factors and devices, Dynamic Type and accessibility features, and more.
- Performed acting product owner and scrum responsibilities including defining product requirements and roadmap, leading retrospectives and refinement activities, owning cross team dependency delivery, and defining strategic project milestones

Ontada (McKesson Corporation carve-out, Oncology EHR + Patient Portal)

3 years, 1 month

Director, Software Engineering (Mobile)

Oct 2020 - April 2022

Lead Architect (Mobile)

May 2019 - Oct 2020

Built a mobile engineering organization, leading engineering, architecture, mobile strategy, industry partnerships, and innovation for a clinical-facing and patient-facing Oncology product line:

- Designed and architected a mobile-first EHR solution—built with an AWS backend and SwiftUI frontend for support across iOS, iPadOS, watchOS, and macOS.
- Established infrastructure and processes for use by 12 direct report engineers
- Led and grew mobile strategy/architecture while managing mobile scrum teams
- Capture new mobile health integration opportunities and maintain alignment within Apple ecosystem
- Ensure grooming and successful delivery of ~35 tickets every 2 weeks

- Established testing strategies, automation tooling, and metric monitoring to exceed organization-set standards
- Coordinate with design, product, quality, and backend services teams to ensure product alignment and successful delivery of key features
- Prepare architecture for additional mobile apps and team growth to support future mobile strategic opportunities
- Manage and support relationships with key industry partnerships

Sunquest Information Systems (Lab Informatics and Diagnostics)

2 years, 3 months

Software Engineer & Global Process Owner

Mar 2017 - May 2019

Global Process Owner Development/Design

- Developed tooling and framework to enable enterprise-wide development and organization-wide SDLC process management and standards to enhance team efficiencies, including automation tooling and strategies for sharing and generating code for reuse
- Advised and implemented architectural changes to frontend and backend stacks for mobile and emerging platforms
- Led mobile design efforts and created and maintained mobile design systems for the iOS platform, including framework implementations of design patterns and automation of design system updates

Software Engineer

- Principal designer and developer of mobile applications used by nurses and phlebotomists at the point of care
- Led transition to native mobile applications, cross platform mobile technology stacks, and the transition to agile
- Developed and maintained universal UI style guide and framework platform development at an organizational level, and regularly worked with users at leading hospital and lab systems throughout the US to define best practice workflows and processes

Industry Partnerships

- Student ambassador to University of Arizona and other universities; hosted tech talks on campus ("Mobile App Development," "Machine Learning in Healthcare," and more)
- Provided technical and career mentoring to Computer Science and MIS students and supported corporate sponsorship opportunities and events, including hackathon and career fairs

The Diary (Provider Electronic Health Record + Patient Portal/Health Record)

2 years, 10 months

Senior Lead iOS Developer

Apr 2016 - Feb 2017

Lead iOS Developer

Dec 2015 - Apr 2016

Software Developer

Jul 2014 - Dec 2015

- Designed and developed two native iOS applications (provider and patient facing) integrating with Apple HealthKit, CareKit, and ResearchKit platforms and other iOS technologies
- Led a global team of contractors and full-time engineers
- Cross functional responsibilities included design, product requirements, and mobile strategy
- Both apps received featured placement on the Apple App Store, including the front page, and on Apple's Healthcare marketing site and CareKit blog. (<https://www.apple.com/healthcare/>)

Radikal Apps

3 years, 7 months

Founder & Lead Engineer

Jan 2011 - July 2014

- Consulting services including cross-platform app development, website customization, and UI/UX design for clients in education, entertainment, logistics, healthcare, and food industries

EDUCATION

B.A. Computer Science

Tucson, AZ

University of Arizona

- Academic Honors: Graduated Magna Cum Laude, Wildcat Scholarship Recipient
- Dean's List With Distinction, Academic Year Academic Distinction, Dean's List (x3), Honorable Mention (x2)

AWARDS & RECOGNITION

Apple WWDC Scholarship

06/2016

Selected by Apple as one of 350 global recipients

2016 GRAMMY Jazz Band

02/2016

Selected as one of 18 musicians globally to perform at the 2016 GRAMMY Awards and record at Capitol Records in LA

18th Annual Essentially Ellington Jazz Band Competition - Outstanding Trumpet Soloist

05/2014

Presented by Jazz at Lincoln Center and hosted by Wynton Marsalis at Jazz at Lincoln Center, NYC