

Andrew Wu

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Forward-thinking software engineer experienced in all aspects of the software development lifecycle. Proficient in a range of modern technologies and languages including Javascript, Kotlin, Swift, and Python. Excellent communicator with experience in agile development and cross-functional teams.

WORK EXPERIENCE

Mobile Engineer, AssistIQ

Sept 2023 – Present

- Refactored 6000+ lines of React Native codebase by decoupling business logic and componentizing large files, improving app performance by 2x and simplifying future development efforts.
- Enhanced core in-app object detection feature using OpenCV and Swift, achieving sub-second image processing which solved critical customer pain point.

Android Engineer, Extend

Sept 2022 – Dec 2022

- Modularized Android repository and decoupled database entries to leverage Gradle caches, reducing recompile time from 2+ minutes to <10s.
- Implemented multifactor authentication feature using AWS, Jetpack Compose and LiveData to meet key security requirements and enable opportunities for integration.

iOS Engineer, Nearside (Hatch)

Jan 2022 – Apr 2022

- Optimized native iOS signup flow using MVVM + Coordinator architecture, along with SwiftUI and Combine, to increase signup efficiency by 50%.
- Enabled smooth rebrand transition by implementing featuring flagged components with LaunchDarkly, saving a week's worth of refactoring effort.

Android Engineer, Remitbee

Jan 2021 – Apr 2021

- Led development of Android B2B app service in Kotlin, using MVP architecture with Room and Dagger.
- Delivered new features and bug fixes to flagship app with 5000+ active users, maintaining 4.7/5 rating in PlayStore.

Computer Vision Engineer, Swift Medical

May 2020 – Aug 2020

- Implemented image processing feature to detect rashes with OpenCV and reduce clinic checkup time for nurses.
- Developed iOS app with 20+ views to test Bluetooth Low Energy devices using Swift and Objective-C, improving prototyping speed by 50%.

Backend Engineer, Scotiabank

Sept 2019 – Dec 2019

- Developed REST API endpoints for money transfer service with Spring Boot to handle over 10,000+ requests per day.
- Created JUnit tests and monitored SonarQube reports to meet 80% coverage to drive Test-Driven Development.

SKILLS

Languages: Python, Java, Javascript, Typescript, Swift, Kotlin, C, HTML, CSS, SQL

Technologies: Firebase, AWS, Fastlane, Sentry, Git, GraphQL, React, Docker, Postgres

EDUCATION

Bachelor of Science, Computer Engineering, University of Waterloo

Jun 2023

PROJECTS

Fitdle (https://github.com/andrewwu-dev/Fitdle_App)

- A real-time exercise form correction app that leverages computer vision to motivate users to be active and stay safe while exercising. Developed using Flutter along with Tensorflow for pose estimation.