David Albers

linkedin.com/in/davidgalbers ● github.com/davidalbers

EXPERIENCE

Acorns   remote, based in Chicago, IL
Android Developer   Feb 2022 - now

Helped modularize Android project
- Demonstrated the effect of large modules on build and test time with module-based metrics

Customized Gradle and CI pipeline to decrease test time by 75% and total CI usage by 50%
- Converted Acorn's screenshot testing framework to use JVM-based testing with Roborazzi
- Added AffectedModuleDetector to only test affected modules

Lead effort to replace cache singleton with Apollo Kotlin's normalized cache
- Refactored cache singleton usage in View to use MVVM with Apollo
- Created extensive docs on using caching and how to refactor View architecture

Release manager for the weekly release rotation
- Automated release management so devs no longer ran custom release scripts

Added metrics for flaky tests and used it to fix common issues

Expedia   Chicago, IL
Android Developer   Jan 2018 - Feb 2022

Integrated a new GraphQL API using Apollo Android

Helped bring Expedia's design system to Android
- Wrote design system tokens, code, and components for system's Android library

Core member on a server-driven UI (SDUI) project that combined above design system & API
- created proofs-of-concept and later implemented solutions for library architecture
- setup publishing of library on Jenkins then later migrated it to Github Actions (GHA)
- helped onboard teams of contributors to the project

First Orion   Little Rock, AR
Android Developer   Nov 2016 - Dec 2017

Handled push messages from both Google Cloud Messaging (GCM) and Firebase

Wrote UI and unit tests in Espresso, Mockito, Calabash, & Appium

CymSTAR   Tulsa, OK
Intern then Software Engineer   Jan - Nov 2016

Debugged and solved issues caused by upgrading real-time OS (VxWorks) on A-10 simulator

Added functionality to Instructor Operating Software to improve simulator control

InvoTek   Alma, Arkansas
Software Intern   Aug 2011 - Jan 2016

Created accessible user interfaces by providing alternative access methods such as switch input

Implemented Bluetooth communication in apps and developed custom Views in Android

PROJECTS *(viewable on github.com/davidalbers)*

***White Noise Plus* (Android & iOS)**	**Podmark (iOS)**
- Useful and simple white noise app	- "Bookmark" podcasts
- Available on Play Store and App Store	- Available on App Store