Joseph McGettigan OBrien

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EXPERIENCE

VML Enterprise Solutions
August 2023 – August 2024

React Native Developer
Denver, Colorado

- Collaborated with an international team to build the Berkshire Hathaway Energy mobile apps from the ground up using React Native for iOS and Android.
- Integrated a RESTful API and built a shared React Native codebase used across all Berkshire Hathaway Energy subsidiary apps.

Wunderman Thompson Apps (formerly Wunderman Thompson Mobile)
June 2020 – August 2023

iOS and tvOS Developer
Denver, Colorado

- Led a comprehensive user interface overhaul for the ConEdison and Orange&Rockland iOS apps, aligning with Apple's Human Interface Guidelines and contributing to a 4.8-star App Store rating.
- Original team member of the March Madness Live iOS and tvOS app rewrites, completing a full rebuild in under a year and delivering the apps ahead of the 2021 tournament.
- Integrated a GraphQL API with Apple's Combine framework to ensure fast, efficient data flow and real-time updates—key to maintaining top App Store rankings with over 500,000 reviews and a 4.7 rating.
- Onboarded developers for the ConEdison, Orange&Rockland, and March Madness Live apps, accelerating ramp-up time and improving team velocity.

Wunderman Thompson Mobile (formerly Possible Mobile)
August 2018 – June 2020

Associate iOS and tvOS Developer
Denver, Colorado

- Developed and maintained features for the Official NBA app for iOS and tvOS.
- Onboarded new team members, guiding them through project processes, structure, and best practices to ensure smooth integration and team efficiency.
- Reduced app crashes by approximately 40 percent using analytics and device log data to identify and fix issues.
- Implemented and enhanced user analytics, driving increased engagement, monetization, and overall app performance.
- Eliminated over 64,000 lines of code by removing unused frameworks and files, resulting in improved build and launch times, reduced app size, and enhanced maintainability.

Possible Mobile
May 2018 – August 2018

Intern iOS Developer
Denver, Colorado

- Joined the iOS development team for the Official NBA app, contributing within an Agile environment and gaining valuable insight into the mobile application development and delivery life cycle.
- Cultivated strong code review skills by both providing and receiving constructive feedback to ensure high-quality, maintainable code.

EDUCATION

Colorado School of Mines
Golden, Colorado

Bachelor of Science in Computer Science

PROJECTS

Front-end Application for Independent Film | *JavaScript, HTML, CSS*
December 2020

- Built a static web app integral to narrative of The Immaculate Room, an independent film.
- Coordinated with the production team to ensure app functionality aligned with the vision of the film and delivered meaningful on-screen interactions.

Microservice Testing Tool | *Java, Spring Boot, SQLite, Swagger(OpenAPI)*
June 2019

- Helped develop a program that mocked microservices in order to test and debug coupling issues that can arise in such an architecture.

TECHNICAL SKILLS

Languages: Swift, Objective-C, TypeScript, HTML/CSS, JavaScript, Python, Dart, Rust, C++, Ruby, Bash, Zsh
iOS Frameworks: UIKit, SwiftUI, Combine, CoreData, SwiftData, AVFoundation, URLSession, Codable, UserDefaults, XCTest
iOS Concepts: State Management, Concurrency and Multithreading, Caching Strategies, Memory Management, Localization
Accessibility: Dynamic Type, VoiceOver, AssistiveTouch, Testing
Design Patterns: MVVM, MVC, MVP, Coordinator, VIPER, Redux
Cross-Platform and Web Frameworks: React Native (including Expo), Flutter, React (including Next.js)
IDEs and Testing Tools: Xcode, VSCode, Android Studio, Proxyman, Charles, Postman
Package Management: Swift Package Manager, CocoaPods, NPM, Yarn, Cargo
Backend and API: REST, GraphQL, JSON, Firebase, Spring Boot
DevOps: Git, GitHub, Jenkins, GitHub Actions, WebHooks, Docker, JIRA, Azure DevOps, Slack
Data Storage: SQLite, PostgreSQL, MongoDB, Redis
Cloud Services: AWS - Route53, S3, CloudFront, EC2, Amplify
Collaboration Tools: Agile Frameworks and Methodologies, Confluence, Figma, Zeplin, Microsoft Teams
Security: OAuth, JWT, Encryption