Aleksey Petrov
Expert SENIOR MOBILE APP ENGINEER

SUMMARY

- Senior Mobile Engineer with 17+ years of experience, focusing on cross-platform mobile application development and SDKs. - Expertise in various mobile frameworks (Capacitor, React, React Native, Ionic, Flutter) and native (Swift, Objective-C, Kotlin, Java). - Proficient in CI/CD practices (Fastlane, GitHub Actions, Jenkins), automated deployments, push & messaging tech (APNS, FCM, Courier). - Strong background in backend and API development, including REST, GraphQL, serverless architectures, along with performance optimization. - Demonstrated ability in fostering agile methodologies and working with multi-timezone teams to drive project success. - Holds a BSc in Computer Software Engineering from Sofia University, reflecting a strong technical foundation.

TECHNICAL SKILLS

Main Technical Skills	Play Framework (5 yr.), NativeJS (15 yr.), Firebase Cloud Messaging, CI/CD
Programming Languages	Go, Java, Kotlin, Objective-C (15 yr.), Ruby, Swift (15 yr.)
Mobile Frameworks and Libraries	Capacitor (2 yr.), Crashlytics, Ionic (5 yr.)
JavaScript Frameworks	Ext JS, Node.js, React
Android Libraries and Tools	Kotlin
JavaScript Libraries and Tools	NativeJS (15 yr.), React Native (5 yr.)
Java Frameworks	Play Framework (5 yr.)
Scala Frameworks	Play Framework (5 yr.)
Cloud Platforms, Services & Computing	Firebase Cloud Messaging, Vercel
Amazon Web Services	AWS Lambda
Azure Cloud Services	Azure Cloud Functions
Deployment, CI/CD & Administration	CI/CD, Jenkins
SDK / API and Integrations	Context API (2 yr.), Facebook Auth (2 yr.), GraphQL
Mail / Network Protocols / Data transfer	Courier
	Espresso, Playwright, XCTest

QA, Test Automation, Security	
Platforms	Fastlane
Version Control	Github Actions
Soft Skills	Mentor Aptitude
Methodologies, Paradigms and Patterns	REST
Logging and Monitoring	Sentry
Other Technical Skills	APN, fcm

WORK EXPERIENCE

Senior Mobile Engineer, Capacitor & React/Next.js Applications

Duration: Feb 2023 – Present

Summary:

• Designed and shipped Capacitor + React/Next
• js apps with native iOS/Android integrations for fintech and automotive clients

Responsibilities: Designed Capacitor + React/Next.js apps, implemented state management, built push notification engine, collaborated on API design and event batching strategies, deployed production apps via CI/CD pipelines, and profiled and optimized app performance.

Technologies: Capacitor, React, Next.js, Redux, Context, APNS, FCM, Courier, Node.js, Go, Ruby, Fastlane, GitHub Actions, Instruments, Android Profiler

Senior Mobile Application Engineer, Cross-Platform SDK Development

Duration: Apr 2021 – Jan 2023

Summary: Delivered Capacitor plugins, React Native modules, Ionic wrappers, and Flutter plugins, integrating web apps with native functionality and enhancing Zapier workflows.

Responsibilities: Built Capacitor plugins, React Native modules and Ionic wrappers, delivered Flutter plugins, improved authentication and token refresh flows, authored onboarding documentation, collaborated with multi-timezone teams, released SDK updates via automated CI/CD pipelines, hardened SDKs with encryption and compliance standards.

Technologies: Capacitor, React Native, Ionic, Flutter, CI/CD pipelines

Senior Mac/iOS Developer, Healthcare iOS SDKs

Duration: Sep 2013 – Apr 2021

Summary: Developed iOS SDKs for healthcare applications with critical features like secure messaging and data caching, optimizing for HIPAA-compliant backend integration.

Responsibilities: Developed iOS SDKs, designed reusable authentication and media playback SDK components, implemented secure API client SDKs, built CI/CD pipelines, collaborated with US product managers, mentored junior iOS engineers, monitored app health with Crashlytics and Sentry.

Technologies: iOS, SDK development, HIPAA-compliance, TestFlight, App Store deployments, Crashlytics, Sentry

Mac/iOS Developer, macOS & iOS Apps for Enterprise

Duration: Jul 2008 – Aug 2013

Summary: Developed a range of macOS and iOS apps focusing on finance, reporting, and productivity, providing diverse solutions like offline sync and data visualization.

Responsibilities: Delivered macOS and iOS apps, built reusable SDK libraries, integrated RESTful APIs, managed App Store and Mac App Store releases, conducted performance profiling and optimization, and wrote developer guides and client training documentation.

Technologies: macOS, iOS, SDK libraries, RESTful APIs, App Store, Mac App Store

EDUCATION

- **BSc, Computer Software Engineering**
- Sofia University "St. Kliment Ohridski" — Sofia, Bulgaria
- Oct 2004 – Jun 2008