Prakash Kotwal

LEAD IOS DEVELOPER

Profile

Prakash is a seasoned, analytical, and results-oriented iOS engineer with a rich background spanning over 10 years in the field. With a fervor for mobile technologies, he specializes in crafting, expanding, and delivering robust technical solutions that significantly enhance user experiences. Thriving in dynamic and demanding settings, Prakash is well-versed in every facet of the development lifecycle.

His leadership capabilities shine as he adeptly guides and coordinates teams, supplementing his role with hands-on contributions. Prakash has a notable track record, having been part of a team responsible for maintaining EMV code approvalfi He has played a pivotal role in projects focused on leveraging the Tap to Pay feature using NFC technology. While his expertise lies in native iOS development, Prakash has also garnered valuable experience in Android, showcasing his versatility to lead teams of Android developers.

Prakash, a verified Toptal Talent from Nepal, passed the highly selective process accepting only 3% of global developers.

https://www.toptal.com/resume/prakash-kumar-kotwal

Employment History

Lead iOS Engineer, Payrix - FIS - WorldPay

MARCH 2021 — PRESENT

Role: Senior iOS Developer at Payrix

- Focus: Complex iOS SDK development and payment-related functionalities
- EMV Migration: Played a key role in navigating the complexities of EMV migration
- SDK Support: Continued to provide crucial support for the SDK post-Payrix's ac uisition by FIS - WorldPay
- **Programming Languages:**

- Proficient in Swift for iOS development

- Developed exposure in Android development using Java

Device Integration:

- Integrated with BBPos devices for card-present solutions
- Worked with PAX and Verifone devices for semi-integrated payment solutions

Responsibilities:

- Oversaw payment-related operations within the iOS SDK
- Ensured compliance and a smooth transition of payment processes during the EMV migration project
- Addressed customer issues and maintained the reliability of the SDK
- Expanded skill set to include Android development
- Developed proficiency in Swift, facilitating efficient code development and maintenance for iOS applications

Lead iOS Developer, SPARE CS.

DECEMBER 2015 — PRESENT

- **Position**: Joined SPARE as a part-time iOS developer in 2015, eventually progressing to Lead iOS Developer.

Details

+ 49 1516 5154642

prakash.kumar@talents2germany.de
Living in Berlin, Holding the German BlueCard
Available from 05/2024 anywhere in Germany

Links

https://www.linkedin.com/in/prakash-kotwal-80877a57/

Skills

IOS Applications

Swift (Programming Language)

Objective-C (Programming Language)

IOS SDK

App Store (IOS)

Integration

Geofencing

Google Maps

Project Management

Apple Maps

SwiftUI

Tap to Pay - NFC

Languages

English

- **Responsibilities and Achievements**:
- Resolved Objective-C errors and successfully transitioned the codebase to Swift, continuously enhancing its uality.
- Introduced visually appealing QR codes and implemented the Vision framework for face capture.
- Implemented geofencing for location-based notifications.
- Coordinated a team of seven developers, including back-end engineers, designers, and Android developers.
- Created an engaging game called "Scavenger Hunt" leveraging live camera feeds and core location services for a captivating user experience.
- Worked on the SPARE user and merchant apps, ensuring secure transactions.
- Developed project management skills by collecting re uirements and distributing tasks.
- Integrated various payment facilitators such as STRIPE, BrainTree, Apple Pay, and other payment gateways.
- Successfully incorporated NFC tap to pay feature into the existing functionalities.
- Gathered features directly from the CEO and facilitated knowledge transfer on SwiftUI.

Senior iOS Developer, InfoTmt, Kathmandu

AUGUST 2018 — PRESENT

Acted as a lead iOS developer and played a significant role in developing iOS applications using Xamarin. Created dummy code in native iOS and then identified the e uivalent implementation in Xamarin. Established efficient connectivity with IoT devices, as the company focused on IoT solutions. Worked closely with NIKO, one of Europe's largest electronics companies, which had a strong emphasis on IoT devices such as switches and bulbs. Ensured seamless integration with IoT devices. • Developed WhoDat App, an application that dynamically played sounds based on user interactions and allowed sound changes to be controlled from the server • Leveraged proficiency in Swift and Objective-C to develop the necessary logic to implement functionality • Managed an audio playback functionality by integrating server-side control, ensuring an engaging and interactive user experience within the app • Delivered Millionaire Dating App, a dating app explicitly catered to millionaires seeking to connect with other millionaires; incorporated features similar to those found in popular dating apps like Tinder, including in-app purchases and subscription models • Used Swift and Objective-C to facilitate user profiles, matching algorithms, and user communication; integrated secure in-app purchases and subscription management to provide seamless and convenient user experiences

Senior iOS Developer, Grafi Offshore Nepal, Kathmandu

SEPTEMBER 2014 — PRESENT

Operated as an iOS developer and contributed to the development of multiple projects. Focused on various applications for ren owned companies, including JTI (Japan Tobacco Industries). Used Swift, Objective-C, and other technologies. Created innovative solutions tailored to clients' needs. Implemented Swift, Xcode, and SpriteKit. • Developed an enterprise iOS application and retailer app, enabling users to browse and purchase products conveniently • Implemented a point-based system where users earn points by engaging with the app, such as reading news or achieving scores on games • Created a game using SpriteKit N/A • Collaborated with the team to create workflow diagrams, write source code, and prepare technical documents • Compatibilized an app with iPhone and iPad devices • Utilized Core Data for local database storage and synchronization with the server • Integrated SceneKit to showcase 3D models of products • Worked on advanced features to fetch user-specific updated data from the server, enhancing performance and efficiency • Developed a survey-based iOS app for JTI Dubai, generating dynamic forms based

on server data • Implemented complex functionalities to handle various field types, including checkboxes, text fields, and dropdowns • Focused on effectively presenting survey results to users • Collaborated with the team to address coding challenges and ensure successful project completion

iOS Developer, E-signature Pvt. Ltd., Kathmandu

SEPTEMBER 2012 — PRESENT

• Served as an iOS developer at Esignature, contributing to developing nearly 12 different projects. Successfully delivered a diverse range of iOS applications, showcasing expertise in Objective-C and working with various technologies and APIs. Participated in face recognition, image cropping, navigation, chat messaging, and data storage projects. Consistently prioritized user experience, seamless navigation, and attention to detail, ensuring the successful delivery of high- uality applications. • Implemented Objective-C, Core Data, Google Maps, Apple Maps, Core Location, and Pusher API • Developed apps for iPhone and iPad, utilizing Core Data for data storage and retrieval • Implemented advanced features such as in-app chatting, custom keyboards, and real-time messaging using Pusher API • Integrated popular third-party APIs like Google Maps and Apple Maps for navigation functionalities • Worked on complex functionalities like face recognition, image cropping, and offline map navigation • Ensured seamless user experience, intuitive design, and smooth navigation • Demonstrated problem-solving abilities and attention to detail in implementing diverse project re uirements • Collaborated with clients and team members to meet project goals and deliver successful results

Education

Bachelor of Technology, Lovely Professional University, Phagwara

JANUARY 2012