Dona Binoy

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Professional Summary (Senior Software Engineer)

Accomplished and detail-oriented Senior Software Engineer with over five years of experience in iOS and macOS application development. Proven expertise in building, enhancing, and maintaining robust applications using Swift, SwiftUI, and UIKit. Adept at managing the full software development lifecycle, from concept to deployment on the App Store. Possesses strong experience in developing applications for the healthcare and consumer electronics industries, with a focus on creating intuitive user interfaces and ensuring seamless hardware-software integration.

Experience

Trenser Technologies Pvt Ltd, Trivandrum, India
Senior Software Engineer Aug 2023 – Present

- Develop and maintain iOS applications for instant photo printers (Instax Mini Link, Instax Link Wide), enabling users to capture, edit, and print photos seamlessly.
- Enhance application features for photo uploading, editing, and instant printing, with a specialized focus on stable Bluetooth (BLE) communication.
- Engineer custom UI components and photo editing tools, including filters, cropping, rotation, and layout selection, to elevate the user experience.
- Contribute to a SwiftUI-based macOS photo printing application, allowing users to edit and print photos from their desktops with a real-time preview.
- Design and manage wrapper libraries for third-party printer SDKs to streamline integration and minimize code redundancy.
- Create and oversee Swift Package Manager (SPM) packages for internal library distribution, enhancing code modularity and version management.

Technical Skills

- Swift
- SwiftUI
- UIKit
- Swift Package Manager (SPM)
- Bluetooth Low Energy (BLE)
- iOS
- macOS
- Version Control (Git)

Projects

Efficient Keyword-Aware Representative Travel Route Recommendation
College Project Jul 2018 – May 2019

- Developed a framework to automatically generate travel itineraries based on user preferences by analyzing places of interest (POI), historical mobility data, and social interactions.
- Designed a route reconstruction algorithm to create personalized and efficient travel route candidates.

Education

Indira Gandhi Institute of Engineering and Technology
Bachelor of Technology, Computer Science
APJ Abdul Kalam Technological University, Kerala Graduation Date: Jun 2019

Tia Tech Health Technologies Pvt Ltd Ernakulam, India
Software Engineer Jul 2022 – Jul 2023

- Developed HIPAA-compliant hospital management applications featuring online video/audio consultations, secure doctor-patient messaging, and access to medical records.
- Contributed to the development of key projects, TiaCare and TiaTeleMD, by building user-facing features for appointment scheduling and medical data management.

ScorePlus IT Solutions Pvt Ltd Ernakulam, India
Software Engineer Jul 2019 – Jul 2022

- Functioned as a Front-End iOS Developer on hospital management, business, and dashboard applications for both admin and user roles.
- Led the development of Sunrise Connect, an application for doctor appointments and video consultations.
- Built and successfully published AssetsADM, an asset tracking application that significantly improved operational efficiency by reducing manual errors and maintaining comprehensive audit trails.