

# Y.MOUNIKA

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## • Career Objective

I am seeking a challenging, growth-oriented position in software technology, with a focus on developing and delivering mobile applications. My goal is to create value for all stakeholders by leveraging my skills and experience to contribute to the organization's success and achieve its objectives.

## • Professional Summary

- Overall 4.5 years of experience in iPhone app development with **Efftronics Systems Pvt. Ltd.**, starting in June 2020.
- Experience in developing IOS and web-based applications using Swift, SwiftUI, Object-C, React JS, Redux.
- Proficient in the **Software Development Life Cycle (SDLC)** and experienced in working within the iOS environment.
- Expertise in **iOS designing and development**.
- Knowledgeable in offline data storage techniques.
- Skilled in iOS development using Xcode.
- In-depth knowledge of Bluetooth Low Energy (BLE) technology.
- Experienced in developing apps for both offline and online modes.
- Familiar with **iOS architecture** patterns.
- Experienced in integrating **Bluetooth SDKs** into iOS applications.
- Hands-on experience working with third-party libraries.
- Proficient in **Socket Communication (TCP/UDP)**.
- Familiar with **Mail Protocols and Communication**.
- Expertise in **API integration and communication**.
- Experience with **Security Algorithms (SSL/TLS)** and **Data Compression algorithms**.
- Proficient in using Core Data for database management.
- Experienced in generating .csv files through iOS applications.
- Knowledge of Firebase Crashlytics for crash reporting and analytics.
- Familiar with App Store submission processes and TestFlight for beta testing.

## • Qualification

- Bachelor of Technology(CSE – 76%) – 2019 from Ravindra college of Engineering for Women, Kurnool.
- Board of Intermediate(MPC -91.6%) – 2015 Nalanda junior college, Nandyal.
- Secondary School Education(SSC - 8.5/10(GPA)) – 2013 from Zilla Parishad High School, Gopavaram.

- **Technical Skills**

- Programming Languages: Swift, SwiftUI, Objective C, React, Redux
- Data Base : CoreData and SQL
- Tools: Xcode, Clickup (Project management), Miro (Visual Collaboration).

- **Professional Experience:**

**Efftronics Systems Pvt. Ltd (June 2020-Till Present)**

**Project 1:**

**Role : SR Software Engineer**

**Client: Indian Railways (Nirdesh - Railway Simulation)**

The objective of the project is to provide centralized monitoring and maintenance of signaling assets through live dashboards, interactive forms, task scheduling, and real-time notifications about faults in the Railway Signal System and related issues via Firebase push notifications. The system also offers online/live graphs for asset status (points, signals, and tracks) and integrates with the NMDL system to collect asset health data, including fault alarms generated by the data logger and condition monitoring equipment.

**Technical Stack :** Swift, SwiftUI, XCode, CoreData (Database)

**Role** : IOS developer

**Team Size** : 3 Members

**Responsibilities:**

- As part of the Nirdesh Project – Designed and developed an iOS app for centralized monitoring and maintenance of signaling assets, including real-time dashboards and task scheduling.
- Integrated Firebase push notifications for real-time fault alerts and asset status updates.
- Implemented live graphs to display asset health data (points, signals, tracks).
- Collaborated with backend teams to ensure smooth data flow and real-time updates.
- Involved in testing and debugging to ensure app stability and performance..

## **Project 2:**

**Role : SR Software Engineer**

**Client: Du Telecom (Dubai)**

DU telecom provides communication, technology, information products and services to business, consumers and government. DU wireless offers voice data and devices & accessories and delivering on customers demand of reliable network connectivity, security and control. DU gave me to know how business in telecom selector works through various channels like Du-omni-retails, tele-sales, indirect and digital Channels etc

**Technical Stack :** React, Redux, JavaScript

**Role :** Developer

### **Responsibilities:**

- As part of the DU Integrated build SOE Project – business requirements gathered, analyzed and developed single page application.
- Utilized redux as a popular react workflow for globalstate management in the application by creating reducers, actions, selectors.
- Worked on react components and containers for grid view, card view, date picker and other custom views.
- Apply component driven and client-side validations, maintaining states, ability to use dependencies from node with common tools such babel, webpack, node package manager etc.
- Worked on plans, down payment, ISPU modules and product gridwall screens.
- Excellent analytical, problem-solving skills with ability to interact with individuals at all levels.
- Involving all the stages of the software development life cycle like feature design, development and debugging and testing the application.
- Daily interaction with the clients to understand the business requirements or provide an update daily.
- Collaborated with team on implementing new features in agile environment and part of the high priority
- defect fixing and delivered fixes in the stimulated timelines.

## **Project 3:**

**Role : Software Engineer**

**Client: Security Brands**

## **(Edge Smart Keypad)**

Developed a smart keypad system to control gates, offering multiple functionalities and various methods for gate operation. The smart keypad hardware communicates with the mobile app via Bluetooth Low Energy (BLE). Using the Edge Smart Keypad app, users can program keypad codes, create automatic timers, view activity logs, and control the system remotely through BLE connectivity

**Technical Stack :** Swift, XCode, CoreData (Database)

**Role** : IOS developer

**Team Size** : 3 Members

### **Responsibilities:**

- As part of the Edge Smart Keypad Project – business requirements gathered, analyzed and developed features.
- Designed and developed user-friendly, responsive, and high-performance mobile applications for iOS.
- Integrated third-party libraries and APIs to enhance app functionality.
- Excellent analytical, problem-solving skills with ability to interact with individuals at all levels.
- Involving all the Stages of the software development life cycle like feature design, development and debugging and testing the application.
- Daily interaction with the clients to understand the business requirements or provide an update daily.
- Collaborated with team on implementing new features in agile environment and part of the high priority defect fixing and delivered fixes in the stipulated timelines.

## **Project 4:**

**Role : Software Engineer**

**Client: Security Brands**

**(Summit Control)**

The app provides real-time relay status updates and enables gate operation directly from the mobile application. It features push notifications, activity logs stored on the hardware, and communicates with the server via the internet. Additionally, the app supports CarPlay integration.

**Technical Stack :** Swift, XCode, CoreData (Database)

**Role** : IOS developer

**Team Size** : 3 Members

**Responsibilities:**

- As part of the Summit Control Project – business requirements gathered, analyzed and developed features.
- Integrated third-party libraries and APIs to enhance app functionality.
- Ensured cross-platform compatibility and optimized app performance across various iOS devices and versions.
- Worked on implementing Core Data and other persistent storage solutions to handle offline data management.
- Troubleshoot and resolved issues related to app performance, crashes, and bugs.
- Implemented push notifications, background services, and app lifecycle management to improve user experience.
- Involved in all stages of the software development life cycle (SDLC), including feature design, development, debugging, testing, and deployment of iOS applications.
- Daily interaction with clients to understand business requirements and provide regular project updates.
- Collaborated with the team to implement new features in an Agile environment, taking part in high-priority defect fixes and delivering solutions within stipulated timelines.

- **Hobbies**

- Writing
- Reading
- Travelling
- Cooking

- **Personal Information**

- Currently Located: Vijayawada, India
- Languages Known : English, Telugu.