KUSHAGRA ACHARYA

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Overview

Computer engineer with 3+ years of working experience in software technologies. Primary area of expertise contains native mobile application development in Android as well as iOS framework. Currently pursuing cross-platform mobile application development with flutter. Experienced working on backend development with NestJS/NodeJS. Involved in UX Engineering with a knack for UI design and development. Worked as team lead and coordinator for multiple fintech projects.

Experience

Nepal Payment Solution (Digihub Pvt. Ltd.)

MOBILE APPLICATION DEVELOPER |*October 2020 – August 2022*

Worked primarily as a mobile application developer for both android and iOS platforms. Involved in project management and business logic scaling. Practicing frontend user experience design as well as leading mobile team on various projects.

Achievements / Tasks

- Practiced android development upon Java/Kotlin and iOS development upon Swift with modern application architecture and concepts to build fintech standard mobile applications.
- Worked with digital wallets, payment gateways, android libraries, SDKs, dynamic delivery system, iOS libraries.
- Worked in closed loop with both frontend and backend technologies as mobile application team lead to make many digital mobile wallet apps a success.
- Practiced UI/UX Development for mobile applications for prototyping and experience-based application development.
- Development of various payment applications dependent with Point of Sales (POS) hardware like thermal printing, NFC, and biometrics.
- Published numerous mobile applications in both Google Play and Apple Appstore with analytics management and timely maintenance.

- **Notable Projects**:
    - ECONET Sim Management (Android/iOS)
    - CGPay (Android),
    - MyPay Wallet (Android/iOS),
    - NIBL Thaili
    - Paytime Wallet (Android/iOS),
    - ADBL Kisan (Android/POS),
    - YoApp Wallet (Android/iOS).

Zero Logic Space

SOFTWARE ENGINEER |*August 2020 – Present*

Working primarily as software of various product-based services and application. Majority of the work involves planning and leading software development. Responsibilities revolves around mobile application development and backend system development.

Achievements / Tasks

- Developing backend system with NestJS and PostgreSQL
- Designing and developing android applications with Kotlin as well as flutter
- Guiding freshers in development department due to programming background.
- Overseeing development work cycles for mobile application and web application
- Overseeing API testing and UX testing during planning phase
- Understanding and explaining the system architecture and design for the team and beyond.
- Experience in software project management tools (ClickUp, JIRA, Postman, OpenProject)
- **Notable Projects**:
    - Odent System Clinic
    - Peace Destination Nepal
    - Paradise Medical Institute

Prabhu Technology

ANDROID DEVELOPER |*May 2019 – October 2020*

Worked as Mid-level Android Developer for developing mobile application based on payments and services.

Achievements / Tasks

- Practiced android development upon Java/Kotlin.
- Android Material Designs and UI Concepts
- Application architecture and Reactive Programming
- Standalone libraries development for android applications |SDK.
- Maintained and developed android applications for scan and pay concepts, loading funds various sources and for ticketing purposes.
- **Projects**:
    - PrabhuPay Wallet,
    - PrabhuPay Merchant,
    - PrabhuPay Wallet SDK,

Everest Engineering College

TEACHING FACULTY |*April 2022 – Present*

Visiting lecturer for engineering department for core programming subjects conducted training classes for students eager to learn modern software development skills.

Achievements / Tasks

- Conducting practical classes for programming subjects.
- Involved in syllabus development for elective subjects and training.
- Provided training for Mobile Application Development in Java and Flutter.
- Data Structure and Algorithm for course related teaching.
- Web Development Technologies and Database Management System trainings.
- Backend development training with NestJS.

Skills

WEB DEVELOPMENT SKILLSETS AND INTERESTS

- NodeJS
- ReactJS
- NextJS
- ORM concepts
- Prisma
- Nginx
- JWT Authentication
- Authorization
- NestJS
- Mongoose
- PostgreSQL
- RBAC Concepts
- Figma
- UI/UX Development

ANDROID DEVELOPMENT SKILLSETS

- Android Lifecycle with Activity and Fragments
- MVVM Architecture
- Java/Kotlin Concepts
- API Core building concepts with Retrofit | Gson
- Android Dynamic Delivery Concept
- Android View Binding
- Android Data Binding
- Android Lifecycle
- Room Database
- Live Data
- Dependency Injection Hilt/Dagger
- Version control
- Build Variants with Flavors
- Jetpack Navigation
- Kotlin Coroutines
- Custom View
- Work manager
- Services
- Third Party Libraries Integration
- Gradle | Maven Concepts
- Application Profiling | Memory Management
- Firebase | Play Console | Crashlytics
- Jetpack Compose
- POS Device SDK implementation
- Content Providers and Context
- Repository Management with Git

IOS DEVELOPMENT SKILLSETS

- UIViewController concepts
- Navigation Architecture
- Swift concepts
- Alamofire based API Core
- Custom views
- MVVM Architecture
- Cocoapods | Swift Package Manager
- Firebase
- Appstore Connect | Test flight
- Version control

Education

Bachelors in computer engineering / 2014-2019

Affiliated to Pokhara University | 3.15 GPA