

AAKASH GHIMIRE

Mobile Application Engineer | Flutter & Dart | Fintech & Digital Banking

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PROFILE

Mobile Application Engineer specializing in Flutter and Dart, with 4+ years of experience building production-grade mobile applications for fintech, digital banking, ERP, OTT, and enterprise platforms. Experienced in designing scalable mobile architectures, developing security-critical workflows, building advanced and responsive UI, and integrating native Android/iOS capabilities.

Hands-on experience delivering banking solutions for leading financial institutions in Nepal and Bangladesh, including Virtual Credit Card functionality, multiple features for Citytouch by City Bank Bangladesh, and a Dynamic UI Engine for BankNext. Strong focus on clean architecture, modular development, performance optimization, reusable components, and secure mobile application development.

WORK EXPERIENCE

Software Engineer, Mobile App

F1SOFT INTERNATIONAL

02/2024 – present

Lalitpur, Nepal

- Develop and deliver production-grade **fintech and digital banking applications** for Android and iOS.
- Contribute to banking applications used by financial institutions in **Nepal and Bangladesh**, implementing complex business-critical features.
- Delivered **Virtual Credit Card functionality** for banking applications in Nepal, covering complex financial workflows and secure user interactions.
- Successfully delivered multiple features for **Citytouch**, the digital banking platform of **City Bank Bangladesh**.
- Contributed to the development of a **Dynamic UI Engine for BankNext**, enabling configurable and reusable banking interfaces.
- Design scalable application architecture using **Clean Architecture, modularization, multi-package structures, and reusable component libraries**.
- Develop security-critical functionality including **SSL pinning, secure storage, device integrity checks, and protected workflows**.
- Build advanced Flutter interfaces using **RenderObjects, CustomPainter, Platform Views, animations, and dynamic theming**.
- Integrate REST APIs with authentication, interceptors, caching, offline support, and robust error handling.
- Develop native Android and iOS functionality using **Kotlin, Swift, Java, Gradle, and platform channels**.
- Research and adopt Flutter framework improvements, architectural patterns, and performance optimization techniques. UI with low-level constructs (like RenderObjects).
- Build internal reusable libraries and components to improve consistency and maintainability across multiple applications.
- Contribute to application releases on **Google Play and Apple App Store**, including signing, configuration, compliance, and deployment
- Build task-specific LLM agents to automate complex business.

Flutter Developer

Dynamic Technosoft

08/2022 – 02/2024

kathmandu, Nepal

- Led Flutter development across **Accounting ERP, School Management, HRM, OTT, and enterprise applications**.
- Designed and implemented scalable mobile applications for Android and iOS using Flutter.

- Developed complex business workflows including **POS, accounting, inventory, sales, purchasing, attendance, reporting, and taxation.**
- Integrated REST APIs, Firebase, push notifications, location services, and third-party services.
- Implemented **POS printing, PDF/Excel reporting, charts, location tracking, and notification systems.**
- Improved application performance, UI responsiveness, and overall user experience across multiple products.
- Worked closely with product and development teams to deliver features from requirements through production.

Flutter junior developer

SlashPlus 

12/2021 – 09/2022

Kathmandu

- Developed multimedia streaming applications for Android TV.
- Optimized real-time video streaming and content management.

EDUCATION

Bachelor Degree on Computer Engineering

Paschimanchal Campus, IOE-TU

2017 – 2022

Pokhara

SKILLS

Languages & Frameworks

Dart, Flutter, Kotlin, Swift, Java, Spring Boot, C/C++, Node.js/Next.js,

Soft Skills

Teamwork, Mentoring, Communication, Problem-Solving, Quick Learning

Platform & Distribution

CI/CD Pipelines (GitLab/GitHub), Fastlane, Docker Hub, Rancher, App Store Connect, Google Play Console

Tools & Platforms

Firebase, REST APIs, OneSignal, Android TV, iOS Development

Architecture & Engineering

Clean Architecture, Modular Architecture, Multi-package Architecture, Design Patterns, Reusable Components, REST API Integration

Security & Reliability

SSL Pinning, Secure Storage, Device Integrity Checks, Secure Authentication Workflows

Advanced Flutter

RenderObject, CustomPainter, Platform Views, Custom Animations, Dynamic Theming, Dynamic UI

PROJECTS

Mobile banking app (Fintech)

all in one banking service

- Flutter | Dart | Android | iOS | REST APIs | Security
- Contributed to F1Soft-powered mobile banking applications including Citizen, Laxmi Sunrise, NBank, NIC ASIA MoBank, and Citytouch.
- Developed complex financial features with focus on security, performance, scalability, and user experience.
- Implemented reusable components, dynamic theming, advanced UI, and security-critical workflows.
- Delivered Virtual Credit Card functionality for banking applications in Nepal.
- Implemented complex user workflows and integrations required for digital card management.

BankNext

- Delivered multiple features for Citytouch, an advanced digital banking application used by City Bank Bangladesh targeting 7M new customers.
- **Delivered full-stack** banking modules end-to-end, developing high-throughput Spring Boot APIs and a modular UI rendering library across Flutter and Angular to optimize data latency, maintain transaction reliability, and slash screen turnaround times.
- Worked on complex banking workflows with emphasis on security, reliability, and user experience.

- Automated CI/CD and deployment pipelines leveraging GitLab CLI, Docker, Rancher, and Fastlane, streamlining automated testing and app store distribution for cross-platform banking releases.

Nepse Virtual Trader

A paper trading platform for nepse

Owned, architected, and developed a full-stack real-time paper trading platform with a practice leaderboard, utilizing Next.js and MySQL for the backend and Flutter for the mobile application.

Fonepoints Mobile App

Designed a reward points redemption system for Android & iOS.

Pivotal ERP

A complete Enterprise Resource Planning app for android and IOS using Flutter

Built a **complete ERP system** with SMS, POS printing, purchase and sales, ledger-voucher creation, inventory management, attendance, location tracking, OneSignal notifications, pdf-excel report generation, graphical representation like table, piechart, line graph, bar graph, etc

Dynamic Academic ERP

School management system for Android and IOS using Flutter

Developed a **multi-role school management app** for students, teachers, parents, and drivers.

Dynamic HRM

Human resource management system for android and IOS using Flutter

Created a **human resource management app** with attendance tracking, leave management, location tracking, home widget, and quick actions for android and ios

Dizibuzz

Broadcasting app for android tv

Android tv application to show movies, songs, advertisements, information, and location announcements with real-time updates using Firebase, GPS positing system using USB g-mouse and auto power on/off system using USB signals

Signage Plus

Android TV application

Subscription-based content management, delivery application system used on different enterprises like BBSM

LANGUAGES

Nepali — Native/Bilingual

English — Fluent

Hindi — Proficient

EVENTS ORGANIZED

CodeCamp-2019

Volunteer coordinator

A national level hackathon

Vector 2.0

Finance sub-coordinator

A 3-day national level technical festival

Genese CodeCamp

volunteer

A national level hackathon

Code with Coffee - 4,5

coordinator

A competitive problem-solving competition on HackerRank