

ALISHA BUDHATHOKI

Senior Software Engineer · Mobile & Cross-Platform Architecture · Engineering Team Lead

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PROFESSIONAL PROFILE

Senior Software Engineer with **5+ years** delivering production mobile systems in Flutter across **fintech, e-learning and enterprise HR**, currently leading a **team of six engineers** at one of Nepal's largest digital financial services providers. Architect of a **pluggable Flutter framework** that lets Flutter-built features drop into host applications on any native stack, eliminating costly platform rewrites. Deep practitioner of clean architecture, test-driven development and real-time financial systems — stock trading execution, margin lending and SSE-driven live market data under regulatory compliance constraints. Equally invested in people: I set engineering standards, mentor the teams I join, and lead community programmes on digital literacy reaching hundreds of students.

CORE TECHNICAL COMPETENCIES

Languages	Dart, JavaScript, Java / Kotlin, Swift (native integration layer)
Mobile Engineering	Flutter, native iOS / Android integration via Method Channels, modular & micro-frontend app architecture, offline-first design, UI/UX implementation
Architecture	Clean Architecture, SOLID, Domain-Driven design boundaries, Test-Driven Development, state management (Riverpod, BLoC), design & code review
Backend & Cloud	Node.js, REST API design and integration, AWS Cognito, Firebase, Server-Sent Events (SSE), real-time data pipelines
Security	Mobile application hardening, data encryption at rest and in transit, secure authentication & authorisation flows
Leadership & Delivery	Team leadership, technical mentoring, Agile / Scrum facilitation, requirement analysis, stakeholder management, Git, CI/CD, Jira

PROFESSIONAL EXPERIENCE

Senior Flutter Developer — Team Lead Aug 2024 – Present
IME Digital Solutions · Kathmandu, Nepal

- Lead a **team of six engineers** delivering mobile products for one of Nepal's largest digital financial services providers, owning technical direction, delivery planning and engineering standards.
- Architected a **pluggable Flutter framework** enabling Flutter-built features to integrate as drop-in modules into host mobile applications on **any native tech stack** — removing the need for costly platform rewrites and unlocking reuse across product lines.
- Led **end-to-end delivery of enterprise-scale trading modules**: the stock buy/sell execution engine, margin trading workflows and margin lending protocols, built to financial compliance constraints.
- Designed a **real-time data layer using Server-Sent Events (SSE)** to push instant price updates and transaction alerts, replacing polling and cutting latency for time-sensitive trades.
- Established a **TDD culture and micro-frontend mobile strategy**, reducing post-release defects and raising release confidence across the team.
- Strengthened application performance and security protocols, contributing to measurable growth in user acquisition and retention.

Flutter Developer Feb 2021 – Aug 2024
Fusemachines Nepal · Kathmandu, Nepal

- Designed and shipped a **Learning Management System (LMS)** and a full-featured **HRM application** from concept through production release.
- Re-architected legacy online-learning codebases** onto SOLID-compliant clean architecture, improving maintainability and shortening feature turnaround.
- Integrated **AWS Cognito** and multiple third-party APIs to deliver secure authentication and authorisation flows.

- **Mentored interns and new hires**, owning onboarding and code review standards that held quality steady as the team scaled.

Android / Flutter Developer

Feb 2020 – Oct 2020

E-MultiTech Solution · Kathmandu, Nepal

- Drove the **migration of mobile development from native Android to Flutter**, contributing cross-platform modules to complex client projects.
- Delivered features on rapid release cycles, building production experience across the full mobile development lifecycle.

Technical Content Writer

Jan 2019 – Apr 2019

Mantra Ideas Pvt. Ltd. · Kathmandu, Nepal

- Authored programming tutorials for *programming-techniques.com* and managed SEO and ongoing site maintenance.

LEADERSHIP & COMMUNITY IMPACT

Program Lead & Community Advocate

2023 – Present

Rotary District 3292 · Bhaktapur, Nepal

- Led **digital literacy and mental health workshops across three community schools**, reaching **500+ students and staff**.
- Designed and ran “*Building Digital Resilience Against Disinformation in the Nepali Crisis*” — a programme on digital literacy and the societal impact of misinformation.
- Partnered with Rotary leadership to translate technical concepts such as data privacy and digital footprints for youth audiences.

EDUCATION

Master of Arts, International Relations

Lumbini Buddhist University — In Progress

BSc. Computer Science & Information Technology

Kathford International College, Tribhuvan University — 2021

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- **AI Fellowship** — Fusemachines
 - **Machine Learning** — Simplilearn
 - Clean Code Architecture
- React Native Training
 - Agile & Scrum Training
 - Active Member — IME Pioneers Toastmasters Club

LANGUAGES

English — Professional working proficiency | Nepali — Native