

Suman Kumar Poudyal

Senior App Engineer

+91 8016086948 | shrapn75@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Senior-level App Engineer with 4+ years of experience architecting high-performance, consumer-facing mobile applications. Expert in Flutter, Dart, and complex frontend logic, with a proven track record of optimizing UI/UX for applications serving 200k+ users . Skilled in modern networking protocols (gRPC,GraphQL) and leveraging AI-assisted workflows to accelerate development. Committed to writing maintainable code and fully prepared to relocate.

TECHNICAL SKILLS

- **Core Mobile:** Flutter, Dart, Native Platform Integration (Method Channels) , Android/ iOS Architecture.
- **State Management & Architecture:** BloC, Riverpod, GetX, MVVM/ MVC, Clean Architecture, SOLID Principles.
- **Frontend Logic & UI:** Complex Animations, Custom Painters, Responsive Design, Performance Profiling.
- **Backend Integration & Cloud:** gRPC(Protobufs), GraphQL, REST APIs, Firebase, AWS Cognito, Payment Gateways (Stripe/ PayTM) .
- **DevOps & Tools:** CI/ CD Pipelines, Git (Git- flow) , TDD/ BDD, Unit & Widget Testing, Jira.
- **Tools:** Figma, Postman, AI- Assisted Development.

PROFESSIONAL EXPERIENCE

Flutter Developer | Jun 2024 - Present

[UTAH TECH LABS](#) | Remote

- Collaborated cross-functionally with Project Managers and Designers (Figma) to define acceptance criteria and implement complex, design-focused UI animations for a superior user experience.
- Integrated high-performance backend services using gRPC (Protobufs), for efficient, low-latency data streaming.
- Integrated AI-driven coding assistants to accelerate routine boilerplate generation, increasing feature delivery speed while maintaining strict code review standards.
- Mentored junior developers via code reviews and pair programming, enforcing TDD, strict linting rules, and best practices to safeguard codebase quality.

Flutter Developer | Jan 2022 - May 2024

[ASEZTAK](#) | Kolkata

- Developed and shipped cross-platform apps serving 200k+ users, maintaining highly stable, crash-free sessions on Google Play and App Store.
- Engineered complex financial workflows, including payment gateway integrations, directly contributing to a substantial increase in user engagement.
- Led backend integration using GraphQL and Hasura microservices, significantly reducing data latency and improving app responsiveness in low-network conditions.
- Owned the full feature lifecycle from concept to rollout, successfully implementing remote configuration and push notification systems to drive conversion.

Software Developer | Sep 2021 - Dec 2021
MILITARY ENGINEERING SERVICES | Kolkata

- Automated operational workflows using Google Apps Script, reducing manual processing time for internal reports.
- Developed a digital inventory tracking system using advanced Google Sheets functions, replacing manual ledgers and ensuring full adoption by the internal team.

PROJECTS

1. Aero Lounge (Aviation Marketplace) - UTAH TECH LABS | Jun 2025 – Current

- Architected a high-performance aircraft rental platform featuring complex co-pilot workflows
- and split-payment logic.
- Implemented real-time availability utilizing gRPC for low-latency data streaming and background services for automated dues enforcement.
- **Tech Stack:** Flutter, Bloc, Firebase, Stripe Connect, AWS Cognito, REST API.

2. Parent Hour (Community Childcare) - Freelance | Jun 2025 – Aug 2025

- Built a secure, society-based babysitting coordination app featuring real-time chat and verification badges.
- Designed a scalable "request-accept" scheduling system with safety-focused profile management.
- **Tech Stack:** Flutter, REST, Getx, Firebase.

3. Drop It (Logistics & Delivery) - UTAH TECH LABS | Dec 2024 – Apr 2025

- Developed an on-demand logistics app with live geolocation tracking for driver availability and optimized route scheduling.
- Engineered a recommendation engine for vehicles based on shipment history and integrated secure digital payment gateways.
- **Tech Stack:** Flutter, Bloc, gRPC, AWS Cognito, Stripe, MapBox Maps API, Firebase.

Portfolio with additional projects - [Click here](#)

EDUCATION

Bachelor's in Computer Applications | Aug 2020
Siliguri Institute of Technology | Kolkata, India

ADDITIONAL INFORMATION

SEMINARS & COMMUNITY

- [Google Developer Group Build with AI](#) 2024, [Google Developer Group Devfest](#) 2023, 2022; [Google I/O Extended](#) 2023

LANGUAGES

- **German:** A1
- **English:** Professional Proficiency
- **Nepali/Hindi:** Native