Lakshit Sankhla

Co-Founder and Software Architect, Avartana Labs · Udaipur, India
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SUMMARY

Software architect with 5+ years building high-volume payment systems and business software. 20+ custom apps launched across 8+ brands, from card authentication at bank scale to SaaS, mobile apps and websites.

EXPERIENCE

Co-Founder / Software Architect, Avartana Labs

Jun 2025 to present · Udaipur

- Build and run SaaS products: Anvay (inventory and GST billing), Dinetab (restaurant POS), Avana (transport management, 40% less manual overhead) and Samarohh (event platform)
- Deliver client websites, Android and iOS apps, and interactive digital textbooks
- Own requirements, architecture, delivery and product strategy end to end

Software Developer, BillDesk

Aug 2021 to Jun 2025 · Mumbai

- Worked on the ACS / 2FA platform handling 3.5M+ card transactions a day
- Cut SBI enrollment calls from 2s to 0.5s, 75% faster across 1M+ daily authentications
- Reduced diagnosis time 40% with a unified TraceID across microservices
- Led ACS 3DS certification with MasterCard, Visa and EMVCo; onboarded 3+ banks
- Built a multi-factor framework for eNACH using PAN, Aadhaar and customer ID
- Added CAVV U3V7 support for SBI, JKB and BOI, and prepaid card support for Bank of India
- Ran a UTIMACO HSM proof of concept, managed OAuth tokens and revamped MIS

SELECTED PROJECTS

- **System Design Roadmap, DSA Visualizer:** Flutter learning apps published on Google Play
- **Filmi Adda, Mafia:** mobile games, coming soon
- **Sales Tracker:** offline-first field-force app for reps, visits and orders
- **Vanisree Digital Suite:** printed textbooks turned into interactive books, in progress
- **e-Voting:** vote transfer on Ethereum using Solidity and MetaMask

SKILLS

Languages	Java, TypeScript, Dart, Python, C
Backend	Spring Boot, Spring MVC, Hibernate, Spring Modulith, Liquibase
Frontend	React, Next.js, Flutter
Data	PostgreSQL, Oracle, MySQL, MongoDB, Redis, Aerospike, Supabase
Payments	EMV 3DS, ACS, ISO 8583, OAuth 2.0, tokenization, HMAC, SSL/TLS, HSM, PCI-DSS
Other	Docker, Vercel, REST, SOAP, JUnit, Mockito, Postman, Playwright

EDUCATION

BE Computer Science, M.B.M. Engineering College, Jodhpur · CGPA 8.34 — 2021