

# Aman Sharma

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Visit my portfolio

## Summary

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Software developer with 3.9+ years turning complex product requirements into polished mobile and web experiences. Skilled at owning projects end-to-end—from product discovery and architecture decisions to delivery, observability, and growth experiments. Passionate about performance, pixel-perfect UI, and shipping measurable business impact in fast-moving teams.

## Technical Proficiency

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- **Frontend Engineering:** TypeScript, JavaScript, React.js, Next.js, Redux Toolkit, Tailwind, Responsive UI
- **Mobile Development:** React Native, Expo, Push Notifications
- **Backend & APIs:** Firebase (Auth, Functions, Firestore), REST, Swagger/OpenAPI, WebSockets
- **Payments & Compliance:** Razorpay, Stripe, Sumsb (KYC), Secure customer onboarding
- **DevOps & Tooling:** GitHub/GitLab/Bitbucket, Jira/Asana/Favro, Postman, SonarLint, App Store Play Console release ops
- **Security & Reliability:** SSL/Certificate Pinning, Secure Enclave, React Native Keychain, Crashlytics, Sentry, Analytics instrumentation

## Work Experience

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**Debut Infotech Pvt. Ltd.,** Software Developer Sep 2023 – Present

- Delivered 7+ fintech and web3 products using React, Next.js, React Native, Firebase, and Solana integrations.
- Re-architected component libraries reducing UI implementation time by 35% and cut production bugs by 28%.

**Ittechxpert,** Software Developer Dec 2021 – Sep 2023

- Built 3+ consumer apps across e-learning, mobility, and on-demand verticals with React.js, React Native, and Express backends.
- Mentored team of 4 developers and implemented offline-first patterns improving retention by 22% in low-connectivity regions.

## Projects

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- **The Baby Journey** — Pregnancy health companion for Sweden with trimester insights and medical guidance. [View on Play Store](#)
  - Engineered a modular hooks architecture optimizing component performance and reducing re-renders by 30%.
  - Built Firebase Cloud Functions to automate milestone notifications and clinician escalations.
  - Instituted QA automation (Jest) reducing release time.
- **Traya Health** — Health video platform bundling specialist consults with personalized care plans. [View on Play Store](#)
  - Reduced streaming bandwidth by 35% with adaptive bitrate caching and background preloading.
  - Delivered auth with secure comment workflows and encrypted asset delivery.
  - Added custom player controls (speed, captions, bookmarks) increasing completion rates by 18%.
- **VDNA Crypto Wallet** — Non-custodial wallet supporting EVM networks (Binance, Polygon, Ethereum, Sepolia) and Solana (mainnet, devnet) with biometric security. [View on Play Store](#)
  - Integrated multi-chain EVM network support (Binance Smart Chain, Polygon, Ethereum, Sepolia) with seamless chain switching and cross-chain transaction capabilities.
  - Built comprehensive profile management system with transaction history, balance tracking, and multi-wallet support across EVM and Solana networks.
  - Implemented Solana mainnet and devnet integration enabling seamless token transfers, staking, and DeFi

interactions.

- Developed hardware wallet bridges and Secure Enclave key management to pass external security audits.
- Shipped live portfolio dashboards leveraging on-chain price websockets and granular P/L analytics.
- **RVA Wallet** — Secure multi-chain cryptocurrency wallet supporting EVM networks with enterprise-grade security features.
  - Integrated EVM network support (Binance Smart Chain, Polygon, Ethereum, Sepolia) with profile management and transaction history tracking.
  - Implemented react-native-keychain to store private keys and seed phrases in device Secure Enclave, preventing hackers from extracting sensitive credentials.
  - Built encrypted key storage with AES-256 encryption and secure key derivation, ensuring private keys remain protected even if device is compromised.
  - Developed jailbreak and root detection mechanisms that prevent app execution on compromised devices, blocking potential security breaches.
  - Implemented SSL pinning to prevent man-in-the-middle attacks and ensure secure communication with blockchain nodes and API endpoints.
  - Created secure transaction signing workflows with biometric authentication and hardware-backed cryptographic operations.
  - Implemented comprehensive security monitoring and anomaly detection to identify and prevent unauthorized access attempts.
- **Roadside Response** — Bahamas roadside assistance dispatch with real-time tracking. [View on Play Store](#)
  - Crafted geo-routing engine matching stranded drivers to nearby providers, slashing ETAs by 25%.
  - Integrated Stripe payments, invoicing, and notification pipelines for frictionless handoffs.
  - Added incident telemetry and crash analytics to inform product roadmap and SLAs.
- **REX Crypto Exchange** — Institutional-grade exchange with real-time order book, staking, and compliance.
  - Developed websocket-based trading UI with depth charts, order ladders, and advanced order types.
  - Orchestrated Sumsub KYC + 2FA flows meeting global AML regulations and SOC2 policies.
  - Tuned chart caching and pagination to support with sub-200ms.
- **PRC Mobile** — Children/Students expense management platform linking banks, vendors, and analytics.
  - Delivered parental controls, spend categorization, and anomaly alerts driving 50% transparency gains.
  - Built vendor integrations (REST) with transactional reliability and idempotency safeguards.
- **Ceta Biometrics** — South African government attendance and compliance system. [View on APKPure](#)
  - Implemented 3D facial recognition with liveness checks to prevent spoofing and bolster trust.
  - Created offline-first workflows (SQLite + background sync) sustaining 99% uptime in remote areas.
  - Deployed secure audit trails and role-based dashboards to satisfy government compliance standards.
- **Catalyst** — Gamified trivia platform driving daily retention with streak mechanics.
  - Crafted swipe-based gameplay, loot drops, and leaderboards lifting D1 retention by 45%.
  - Utilized Firebase offline capabilities to deliver uninterrupted play during network drops.
  - Rolled out experimentation framework (Remote Config).
- **RVA IDO Launchpad** — Web3 platform for token launches, staking, and compliance approvals. [View Live Website](#)
  - Developed smart contract integrations for staking tiers, vesting schedules, and distributed rewards.
  - Automated KYC approval loops (Sumsub + custom admin tools) reducing manual review time by 60%.
  - Built observability dashboards tracking launch metrics, liquidity, and user cohorts.
- **Encrypted Cash** — Next.js-based hub with live market data and intelligent trading insights. [View Live Website](#)
  - Introduced REST apis live pricing, alerts, and advanced charting driving%.
  - Implemented smart validation and batching to decrease transaction gas fees by 20%.
  - Hardened security with session isolation, hardware wallet support, and anomaly detection.