Saswata Saha

Senior Flutter & Mobile Solutions Architect
Bengaluru, Karnataka, India, 560037 | +91 8170997368
appsmoothies@gmail.com | linkedin.com/in/saswatasaha | github.com/theNativeGod
Portfolio: https://thenativegod.github.io/saswatasaha-portfolio/
3D Portfolio: https://thenativegod.github.io/portfolio3d/

PROFESSIONAL SUMMARY

Senior Mobile Solutions Architect with 9+ years of experience in iOS and Android development, specializing in Flutter/Dart and hybrid mobile applications. Proven track record of architecting and delivering large-scale, high-impact mobile applications for enterprise clients across multiple industries. Expert in full mobile development lifecycle including RESTful API design, App Store/Play Store release processes, and evaluation of emerging mobile technologies. Strong background in technical assessments, solution architecture, and client-facing engagements.

CORE COMPETENCIES

- Mobile Architecture & Development (9+ years iOS/Android, 3+ years Flutter/Dart)
- Hybrid Mobile Applications (Flutter, React Native, Ionic, PhoneGap)
- Enterprise Mobile Solutions & Client Engagement
- RESTful API Design & JSON Integration
- iOS & Android Release Management (App Store & Play Store submission/approval)
- Mobile Technology Landscape Assessment
- Business Case Development & ROI Analysis
- Solution Planning & Digital Risk Assessment
- Team Leadership & Technical Mentoring
- Agile/Scrum Methodologies

PROFESSIONAL EXPERIENCE

Senior Flutter & Mobile Solutions Architect
Zuchiz Private Limited | Bengaluru, India
January 2025 - Present

- Lead mobile architecture and development for enterprise-grade applications serving 100K+ users across iOS and Android platforms
- Architect and implement AI-driven development pipeline integrating OpenAI (GPT-5/Codex), Claude, and Gemini for intelligent mobile workflow automation
- Design and oversee multi-agent system architecture (planner → coder → designer → tester → healer → editor) for scalable mobile solutions
- Conduct comprehensive technology assessments and create detailed business cases with ROI analysis for mobile technology stack decisions
- Lead client-facing meetings for solution planning, approach documentation, and digital risk assessment reviews
- Manage solution plans and technical documentation for enterprise mobile implementations
- Successfully delivered company's first production iOS build with 100% feature parity, eliminating critical platform gap affecting 40% of potential user base
- Reduced frontend defect rate by 20% through implementation of MVVM patterns, comprehensive state management (Provider/BLoC/Riverpod), and CI/CD pipelines
- Mentor development team of 5 engineers on mobile architecture best practices, emerging technologies, and industry standards
- Participate in mobile development forums, technical round tables, and professional associations

Mobile Architecture Lead (Consulting)
Chakra Cabs | Bengaluru, India
April 2021 - Aug 2024

- Architected and delivered complete cab booking ecosystem (mobile apps + admin panel + API layer) serving 50K+ daily active users
- Led comprehensive UI/UX design process using Figma, conducting user research and A/B testing resulting in 30% increase in completed bookings
- Designed and implemented 6-tier membership architecture using Flutter, Firebase Cloud Functions, and RevenueCat payment integration
- Established mobile development patterns and architecture guidelines (MVVM, Provider state management) reducing app initialization time by 25%
- Optimized RESTful API integration layer using Dio package with retry logic and caching, achieving 30% improvement in data retrieval performance
- Managed complete App Store and Play Store release processes including beta testing, phased rollouts, and compliance reviews
- Achieved 99.5% crash-free session rate through comprehensive error handling and monitoring

Senior Mobile Developer
Toya Club | London, UK (Remote)
August 2021 - December 2023

- Led end-to-end mobile architecture and development of Private Members Club application and administrative portal delivered in 5-week sprint
- Architected scalable backend infrastructure using Firebase Cloud Firestore, custom authentication flows, and cloud storage with 99.9% uptime SLA
- Designed and implemented premium membership tier features using Flutter, Firebase, and RevenueCat resulting in 20% premium conversion rate
- Established clean architecture patterns (MVVM, Provider, Repository pattern) ensuring maintainable and testable codebase
- Managed iOS App Store and Android Play Store submission processes, achieving approval on first submission for both platforms
- Successfully launched applications achieving 4.5+ star ratings on both stores with 10K+ downloads in first 3 months
- Live Apps: https://play.google.com/store/apps/details?id=com.toya.som | https://apps.apple.com/in/app/toya/id6466505906

Mobile Solutions Consultant
Labgex Innovations | Saudi Arabia (Remote)
January 2020 - July 2023

- Architected and delivered enterprise-grade taxi booking platform and fleet management system for Saudi Arabian market
- Led technical partnership discussions and API integration planning with major corporate clients (Coca-Cola, Pepsi) for Sterling Tours & Travels
- Designed and implemented location-based services architecture using Google Places API, real-time GPS tracking, and geofencing
- Established mobile development standards and architecture patterns (Flutter, clean architecture, MVVM) reducing production bug reports by 35%
- Managed complete App Store and Play Store submission, review, and approval processes for multiple applications across different markets
- Conducted technology assessments for hybrid vs native mobile development approaches, presenting findings to stakeholders
- Live Apps: https://play.google.com/store/apps/details?id=com.sterling.taxi | https://apps.apple.com/ae/app/sterling-tours-and-travels-inc/id6456341851

Mobile Developer & Team Lead
Shaffen Softwares | India
March 2018 - February 2023

- Led mobile development team of 4 engineers building social networking and dating applications for Indian and international markets
- Architected scalable Flutter applications with advanced state management (BLoC, Provider) and optimized backend integration patterns
- Designed RESTful API contracts and collaborated with backend team on JSON schema definitions and versioning strategy
- Achieved 25% monthly active user growth in first 6 months through performance optimization, UX improvements, and feature delivery
- Established mobile development standards, code review processes, and mentored junior developers on architecture patterns
- Managed App Store and Play Store release cycles including beta testing, staged rollouts, and compliance requirements

Full Stack Developer (Mobile & Web Focus)
Exousia Web | India
August 2017 - February 2022

- Delivered 20+ mobile and web applications for diverse client base across e-commerce, healthcare, education, and service industries
- Specialized in mobile-first development using hybrid frameworks (early Flutter, Ionic, PhoneGap) and native technologies
- Designed and consumed RESTful APIs using JSON for mobile-backend communication across multiple projects
- Improved application performance metrics: 40% reduction in load times, 30% improvement in SEO performance, 99%+ uptime
- Managed complete software development lifecycle from requirements gathering through App Store/Play Store deployment
- Participated in client meetings for solution planning, technical discussions, and project status reviews
- Achieved 50% improvement in client satisfaction scores and 40% increase in client retention through consistent quality delivery

TECHNICAL SKILLS

Mobile Development & Architecture:
- Languages: Dart, Swift, Java, Kotlin, Objective-C, JavaScript/TypeScript
- Primary Frameworks: Flutter, Native iOS (UIKit, SwiftUI), Native Android (Jetpack Compose)
- Hybrid Frameworks: React Native, Ionic, PhoneGap, Cordova
- Architecture Patterns: MVVM, MVC, Clean Architecture, Repository Pattern, VIPER

State Management & Design Patterns:
- Flutter: Provider, BLoC, Riverpod, GetX
- iOS: Combine, RxSwift, Redux
- Android: ViewModel, LiveData, Flow
- Design Patterns: Singleton, Factory, Observer, Dependency Injection

Backend & API Integration:

- RESTful API Design, Consumption & JSON handling
- GraphQL integration and query optimization
- Firebase Suite: Cloud Firestore, Authentication, Storage, Cloud Functions, Remote Config
- Real-time data synchronization and offline-first architectures
- Backend Technologies: Node.js, Python, Express.js

App Store & Release Management:
- iOS: App Store Connect, TestFlight, Provisioning Profiles, Code Signing, App Review Guidelines
- Android: Play Console, App Bundles, Release Tracks, Beta Testing, Play Store Guidelines
- CI/CD: GitHub Actions, Bitrise, Codemagic, Fastlane
- Release strategies: Phased rollouts, A/B testing, Feature flags

Emerging Technologies & AI Integration:
- AI/ML APIs: OpenAI (GPT-5, Codex), Anthropic Claude, Google Gemini
- Computer Vision: Core ML, ML Kit, TensorFlow Lite
- Voice Integration: Speech Recognition, Text-to-Speech
- PyTorch for mobile inference

Additional Technologies:
- Web: React, Next.js, Three.js, WebGL
- Design: Figma, Adobe XD, Sketch
- Tools: VS Code, Xcode, Android Studio, Postman, Charles Proxy
- Version Control: Git, GitHub, GitLab, Bitbucket
- Project Management: Jira, Trello, Asana
- Payment Integration: RevenueCat, Stripe, In-App Purchases

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science
RCC Institute of Information Technology | Kolkata, India
Major: Computer Science | Specialization: Mobile Application Development
Relevant Coursework: Advanced Data Structures & Algorithms, Mobile App Development,
Software Architecture, Database Management Systems, Operating Systems, Computer Networks,
Software Engineering Principles, Object-Oriented Programming

Professional Certifications & Continuous Learning:
- Apple Developer Program - iOS Development Certification (2023)
- Google Associate Android Developer Certification (2022)
- Advanced Flutter & Dart Development Certification (2023)
- Mobile Architecture Patterns & Best Practices (2024)
- RESTful API Design & Development (2022)
- Digital Marketing Certification - Digital Gurukul (2018)

Higher Secondary Education (12th Standard) - CBSE Board | 2020
Stream: Science with Computer Science
Subjects: Computer Science, Physics, Chemistry, Mathematics, Physical Education
Burnpur Riverside School
Score: 85%

Secondary Education (10th Standard) - ICSE Board | 2018
St. Joseph's Convent Higher Secondary School
Score: 88%

PROFESSIONAL ACTIVITIES & CONTRIBUTIONS

- Active participant in Flutter India community and mobile development meetups
- Regular contributor to open-source mobile development projects on GitHub
- Attend and present at mobile technology conferences and developer forums
- Member of professional associations focused on mobile development and emerging technologies
- Evaluate new mobile technologies, frameworks, and tools for production readiness
- Participate in technical round table discussions on mobile architecture and best practices
- Stay current through continuous learning: online courses, technical blogs, and industry publications

NOTABLE ACHIEVEMENTS

✓ Architected and delivered 15+ production mobile applications across iOS and Android platforms
✓ Successfully managed App Store and Play Store approval processes for 20+ applications with 95% first-submission approval rate
✓ Led client-facing technical discussions and solution presentations for enterprise mobile projects
✓ Reduced average mobile application defect rates by 25% through improved architecture and development practices
✓ Achieved 99%+ crash-free session rates across all production applications
✓ Mentored and trained 10+ developers in mobile development best practices and architecture patterns
✓ Contributed to technology assessment and selection processes resulting in 30% improvement in development velocity

LANGUAGES
- English (Fluent - Professional working proficiency)
- Hindi (Native)
- Bengali (Native)

References and detailed project portfolio available upon request