

SURVIL DHADUK

Mobile & AI Development Lead | Principal Flutter/Mobile Architect | Engineering Manager

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PROFESSIONAL SUMMARY

Results-driven Mobile & AI Development Lead with 5+ years engineering 20+ cross-platform applications (Flutter, React Native, Native iOS/Android) and leading high-performing teams of 10-18 engineers across mobile and AI disciplines. Proven expertise architecting AI-powered products (Gemini, OpenAI, LangChain, N8N) and delivering measurable business outcomes: \$200K+ ARR contributed through client solution architecture, Rs.1 lakh/month in duplicate payment losses eliminated via idempotency engineering, 98% crash-free production stability, and a mobile team scaled from 3 to 10 engineers. Deep experience in end-to-end SDLC automation, intelligent document processing, workflow automation (N8N, Python AI), and enterprise platform delivery. Hands-on across mobile, backend, DevOps/VPS, and AI integration with a strong record of technical mentorship, hiring (15+ engineers recruited), and C-suite advisory. Actively targeting global remote roles and high-growth scale-ups where mobile and AI converge.

CORE TECHNICAL SKILLS

Mobile (Primary): Flutter/Dart (Expert), React Native, Native Android (Kotlin/Java), Native iOS (Swift/Objective-C)

AI & Machine Learning: Google Gemini AI, OpenAI APIs, LangChain, NLP, Prompt Engineering, Image Recognition, Custom ML Models

Automation & Workflows: N8N (Expert), Power Automate, Python AI Agents, GitHub Copilot, Claude AI, ChatGPT, LinkedIn Automation

State Management: GetX, Riverpod, Bloc, Provider, MobX

Architecture: Clean Architecture, MVVM, MVC, Repository Pattern, Dependency Injection, Microservices, Event-Driven, SDLC Automation

Backend & APIs: Python, Django, Ruby on Rails, Laravel, Node.js, REST APIs, GraphQL, Firebase Cloud Functions

Databases: PostgreSQL, Weaviate (Vector DB), Neo4j (Graph DB), Qdrant (Vector Search), Firebase, MongoDB, BigQuery, MySQL, Supabase

DevOps & Infrastructure: VPS Hosting, Linux Admin (Ubuntu/CentOS), Nginx, SSL/TLS, Docker, CI/CD (GitHub Actions, Codemagic, Fastlane)

Enterprise Platforms: Horilla HRMS (Django), OpenProject (Ruby on Rails), Server Migration & Maintenance

Languages: Dart, Python, JavaScript, TypeScript, Java, Kotlin, Swift, SQL, HTML/CSS, Bash/Shell

Tools & Design: Git, Xcode, Android Studio, Postman, Figma, FlutterFlow, Adobe XD, Jira, Confluence

Deployment: App Store Connect, Google Play Console, TestFlight, Firebase App Distribution

PROFESSIONAL EXPERIENCE

Mobile & AI Engineering Lead | Technical Lead Consultant

Jun 2024 – Present

Kombee Technologies (I) Private Limited | Surat, Gujarat, India | Remote-Eligible

- Scaled and led dual engineering teams — mobile team (3 → 10 engineers) and AI team (8 engineers) — across Flutter, React Native, and Native iOS/Android, personally hiring 15+ engineers and mentoring 10 to promotions (7 interns → junior, 2 junior → mid, 1 mid → senior).
- Architected and shipped 8 cross-platform production releases achieving 98% crash-free rate and 30% faster release cycles by implementing CI/CD pipelines (GitHub Actions, Codemagic, Fastlane) with automated testing gates.
- Contributed directly to \$200K+ ARR through end-to-end client solution architecture: technical discovery, proposal writing, demo builds, and client communication across 5+ enterprise deals.
- Resolved a critical production race condition causing Rs.1 lakh/month in duplicate payment losses by engineering an idempotency layer, mobile-side caching, and transaction timestamp validation — eliminating duplicate payouts entirely.

- Diagnosed and resolved a React Native white-screen production bug affecting random users (camera SDK race condition) by replicating device conditions and root-causing via Crashlytics — resolved with zero downtime.
- Led VPS infrastructure optimization: identified root cause of self-hosted platform running at 90% CPU load, removed redundant processes, and reduced average CPU to 10% — preventing a \$240/year server upgrade cost.
- Architected Internal SDLC Automation MVP (AI team lead, 4-engineer team): ingests raw user requirements and auto-generates full enterprise documentation suite — SOW, BRD, FRD, HLD, TDD, LLD, and sprint plans — followed by AI-assisted code generation, testing, and deployment using a multi-database architecture (PostgreSQL, Weaviate, Neo4j, Qdrant).
- Built N8N HR automation pipeline processing 500+ candidates/month — automated email handling, resume parsing, and interview scheduling; subsequently migrated to native Python AI with Horilla HRMS integration, reducing HR team from 5 to 2 members and saving 2–3 hours/day per person; next phase: automated interview scheduling and AI-driven candidate screening.
- Delivered AI consulting and workshops to clients on automation strategy; drove upsell opportunities through analytics-driven feature recommendations, web platform extensions, and LinkedIn automation solutions for C-suite executives (CEO/CTO/COO) — replacing third-party agency spend with an automated posting pipeline.
- Led migration, deployment, and maintenance of Horilla HRMS and OpenProject on VPS infrastructure; maintained 99.5% uptime for 50+ employees with full security hardening, automated backups, and disaster recovery.
- Built 4 reusable native packages (iOS notification extensions, custom animations) adopted across 10+ enterprise apps, reducing feature development time by 25%.
- Authored company-wide SOPs, coding standards, and documentation — reducing new engineer onboarding time by 35% and establishing architectural standards adopted across 20+ apps.
- Served as primary technical advisor to CEO on platform strategy, digital transformation, and technology adoption; acted as escalation point across mobile, backend, AI, DevOps, QA, and HR domains.

Senior Mobile Application Developer

Jun 2022 – May 2024

Kombee Technologies (I) Private Limited | Surat, Gujarat, India

- Designed and deployed 12+ production-grade mobile applications using Flutter and React Native across business, research, and AI-driven verticals — achieving 4.0+ Play Store ratings across all published apps.
- Improved application performance by 40% through systematic profiling, memory optimization, rendering pipeline improvements, and strategic state management (GetX, Riverpod, Bloc).
- Implemented real-time data synchronization architectures, payment gateway integrations (UPI, Razorpay), and idempotent transaction handling for financial apps processing high-volume transactions.
- Delivered production analytics infrastructure using Firebase Crashlytics, Google Analytics, and BigQuery — enabling data-driven product decisions and reducing mean time to detection for production issues.

Flutter Developer

Jun 2021 – May 2022

Kombee Technologies (I) Private Limited | Surat, Gujarat, India

- Engineered 8 responsive cross-platform mobile applications using Flutter with Clean Architecture and MVVM — establishing reusable component libraries that accelerated subsequent project delivery by 20%.
- Implemented advanced state management patterns (GetX, Provider, Riverpod) across projects, producing scalable, testable codebases that became internal architecture references.

Junior Android Developer

Dec 2020 – May 2021

Treasure Soft Solutions | Surat, Gujarat, India

- Developed native Android applications with UI/UX improvements and backend API optimization; introduced performance profiling practices that reduced app load time by ~30%.

Earlier Career — Telecom & Network Engineering (2014–2020)

Vodafone Idea (Technology Asst, 2019–20) · Jio Infocomm (Asst Manager, 2017–19) · Nokia Networks (BSS FLM Engineer, 2015–17) · Telesia Networks (RF Engineer, 2015) · YOU Broadband (Technician, 2014–15)

KEY PROJECTS & IMPACT

Birla White Experts Club / Birla Opus ID / Allwood Contractor Apps — Flutter · Laravel · QR Code · Firebase · UPI

- Led a team of 3 to deliver 3 unified contractor reward apps over 2 years; processed 20,000+ QR submissions, disbursed Rs.15 lakh+ in cashback over 12 months — achieving 4.5+ Play Store rating across all three apps.

FoodLens — AI Calorie Counter — *Flutter · Google Gemini AI · Firebase · Image Recognition*

- Solo-built and published AI nutrition tracking app with 10,000+ downloads; leveraged Google Gemini for real-time meal image recognition achieving 90%+ food classification accuracy with full macro breakdowns (calories, protein, carbs, fat).

Everything AutoGlass — Field Service Mobile App — *Flutter · iOS & Android · VIN Decode API · Scheduling · Firebase*

- Delivered cross-platform mobile app for the auto glass industry enabling instant VIN decoding (precise vehicle build-data in seconds), mobile quoting, appointment booking, and on-the-go business management — available on iOS and Android for field technicians, shop managers, and mobile teams. Play Store ID: com.eagsoftware.

Hatanu — Hyperlocal Grocery Delivery Platform — *Flutter · Firebase · Google Maps API · Payment Gateway*

- Led development of full-stack real-time grocery delivery platform serving 5,000+ active users in Jamnagar processing Rs.10 lakh/month GMV; architected multi-vendor inventory management, live order tracking, and seamless payment integration — live and growing.

Internal SDLC Automation MVP — AI Team Lead — *Python · LangChain · PostgreSQL · Weaviate · Neo4j · Qdrant · AI Agents*

- Led a 4-engineer AI team to architect an end-to-end SDLC automation platform: ingests raw business requirements and auto-generates a complete enterprise documentation suite (SOW, BRD, FRD, HLD, TDD, LLD, sprint plans), followed by AI-assisted code generation, automated testing, and deployment — powered by a multi-database architecture (PostgreSQL for relational, Weaviate and Qdrant for vector search, Neo4j for knowledge graph relationships).

Optima Value Pro — Intelligent Document Automation — *Python · AI Vision · PDF Extraction · Flutter · Firebase*

- Architected client-facing document intelligence platform that replaces manual data entry workflows: AI extracts values from PDFs and photos, highlights the exact source location of each extracted value for user cross-verification, auto-populates the database, and presents data with visual confirmation — eliminating manual document processing and significantly reducing human error for the client.

MCS NIL — Financial Accounting Platform + AI Invoice Pilot — *Flutter · SQL · BigQuery · AI Vision*

- Built financial accounting platform with GST reporting, balance sheets, and automated reconciliation; extended with AI invoice pilot achieving 98% data extraction accuracy — users photograph invoices for auto-fill, or the system fetches existing invoice data from the database automatically, eliminating manual entry entirely.

HR Automation System — N8N to Native Python AI Migration — *N8N · Python · Horilla HRMS · APIs · Webhooks*

- Designed and deployed N8N HR automation pipeline (500+ candidates/month: email handling, resume parsing, interview scheduling); subsequently migrated to native Python AI fully integrated with Horilla HRMS — automating end-to-end candidate screening; next phase underway: AI-driven interview planning and scheduling automation.

Text-to-SQL AI Engine (Internal MVP) — *Flutter · Python · NLP APIs · SQL · Firebase*

- Designed end-to-end NLP-to-SQL architecture enabling non-technical teams to query databases in natural language, reducing query effort by 60%; built real-time query validation and results visualization layer.

LinkedIn C-Suite Automation — Internal Tool — *Python · N8N · AI Content Generation · APIs*

- Built internal LinkedIn automation pipeline for CEO, CTO, and COO — automated content generation, scheduling, and posting, replacing third-party agency dependency entirely and saving recurring agency costs while maintaining consistent executive brand presence.

ContentStack AI Integration (Internal MVP) — Team Lead — *Python · LangChain · ContentStack CMS · Firebase*

- Led 2-developer team to architect LangChain pipelines for AI-powered content suggestions, auto-tagging, and automated categorization — improving marketing content workflow efficiency by 50%.

Enterprise HRMS & Project Management Platform — *Django · Ruby on Rails · PostgreSQL · VPS · Linux*

- Led migration, deployment, and ongoing maintenance of Horilla HRMS and OpenProject on VPS; maintained 99.5% uptime for 50+ employees with full security hardening, monitoring, and disaster recovery planning.

GetFlame · ZebraLearn · Radvix — *Flutter · Firebase · Python*

- GetFlame: AI chat enhancement with real-time response suggestions (+45% user engagement). ZebraLearn: E-learning platform with real-time reading analytics, auto-reading, and subscription management. Radvix: Research project management with real-time task collaboration and document versioning.
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EDUCATION

Bachelor of Engineering — Electronics & Communications

Babaria Institute of Technology, Gujarat Technological University (GTU) · 2010–2014

CERTIFICATIONS

- Google Play Academy — Store Listing Certificate (Valid: Oct 2024 – Oct 2027)
 - Google Analytics Individual Qualification (Valid: Apr 2024 – Apr 2025)
 - Agile with Atlassian Jira — Coursera (Aug 2023)
 - CCNA Certification — Sun Infosystems Pvt Ltd
 - Google Play Console & Google Analytics — In Progress (2025)
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LANGUAGES

English: Fluent | **Hindi:** Proficient | **Gujarati:** Native