ARVIND ADHITHYAN S B

SOFTWARE ENGINEER | FLUTTER | BACKEND | AI APPLICATION INTEGRATIONS

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building and shipping production applications in a fast-paced startup environment. Work directly with founders and management to translate business requirements into end-to-end product solutions. Owned delivery across 9+ products and coordinated an 8-member developer and designer team. Experienced across Flutter, Dart, Node.js, Firebase, PostgreSQL, REST APIs, payment and delivery integrations, and Gemini API-based AI features. Delivered AiDigi, a restaurant management application for the US market.

TECHNICAL SKILLS

Mobile:	Flutter, Dart, Swift (maintenance), Android
Frontend:	Responsive UI, GetX state management, performance tuning
Backend:	Node.js, REST APIs, Firebase Cloud Functions, Authentication, Cloud Messaging, Webhooks
Databases:	PostgreSQL, Firestore, Row-Level Security (RLS), Firebase-to-PostgreSQL migration
AI:	Gemini API, prompt engineering, structured JSON outputs, few-shot examples, AI integrations, token-based usage limits
Cloud & Integrations:	AWS Amplify, Amazon S3, Firebase Hosting, Stripe, Cashfree, Meta API, Uber API, Google Maps API, OTP authentication
Engineering:	Architecture design, testing and QA, deployment, app release management, team coordination

PROFESSIONAL EXPERIENCE

Software Engineer | Buckypaper Technologies (Startup) | Chennai | 2024–Present

- **Product ownership:** Owned development across 9+ products, taking features from requirements and architecture through implementation, integrations, testing and deployment.
- **Team coordination:** Coordinated an 8-member team of developers and designers through daily stand-ups and task tracking, working closely with founders, management and design.
- **Multi-application platform:** Architected and developed FoodDeals, a multi-restaurant ordering platform spanning 5 connected surfaces: customer web, restaurant owner, kitchen tablet, delivery partner and admin.
- **Delivery operations:** Designed a 3-mode delivery dispatch system using Firebase Cloud Functions and built a menu-scraping pipeline with an admin upload interface to support restaurant onboarding.
- **School platform modernization:** Delivered a Firebase-to-PostgreSQL migration and implemented Row-Level Security, subscriptions, fee management, an HQ panel, school onboarding and an AI teacher with token-based usage limits.
- **E-commerce and payments:** Built JS Homemade Kitchen with product, stock and order management, GST configuration, OTP authentication, Cashfree payments and automatic payouts.
- **Application architecture:** Restructured Balaji Cards architecture, UI/UX and functionality using Claude MCP and Android architecture patterns, with a focus on maintainability and performance.
- **Data reliability:** Led migration of a Firebase project away from the UAT database and resolved post-migration data issues.
- **Release and deployment:** Managed Google Play Store release activities, including app signing, and web deployments through AWS Amplify.

ADDITIONAL PRODUCT CONTRIBUTIONS

- **UAE banking / fintech product:** Built Flutter features, integrated REST APIs and managed application state using GetX.
- **HiDoctor healthcare product:** Maintained and supported the iOS Swift codebase.

SELECTED PROJECTS

AiDigi | US-Based Remote Service Project

Engineered a restaurant management application end to end for the US market. Integrated Gemini API to generate AI images and promotional, festival and event banners; enabled publishing through Meta API; and integrated Uber delivery and Stripe payments to support the order-to-delivery workflow.

Tech: Flutter, Firebase, Gemini API, Meta API, Uber API, Stripe | Google Play: play.google.com/store/apps/details?id=com.bucky.aidigi

FoodDeals | Multi-Restaurant Ordering Platform

Multi-restaurant ordering platform with customer web, owner, kitchen tablet, delivery partner and admin applications, supported by a three-mode delivery dispatch system and menu-scraping onboarding pipeline.

Tech: Flutter, Dart, Firebase, Cloud Functions, Node.js | fooddeals.online

School Management App (SMA)

Contributed to a team-built school platform, owning Firebase-to-PostgreSQL data conversion, RLS and security, OTP, subscriptions, fee structure, HQ panel, school onboarding, Firebase messaging, Google Maps integration and an AI teacher with token-based usage limits.

Tech: Flutter, PostgreSQL, Node.js, Google Maps API | Google Play: play.google.com/store/apps/details?id=com.buckypaper.sma

JS Homemade Kitchen | E-commerce

Built an e-commerce application with Cashfree payments and automatic payouts, order, stock and product management, GST configuration, notifications and OTP authentication for admin and user panels.

Tech: Flutter, Node.js, PostgreSQL, Firebase Messaging | jshomemadekitchen.com

Balaji Cards | Mobile Application

Refined the existing codebase and restructured application architecture, UI/UX and functionality to improve maintainability and support better performance.

Tech: Flutter, Firebase | Google Play: play.google.com/store/apps/details?id=com.buckypaper.balaji_cards

UAE Banking / Fintech Product and HiDoctor Healthcare Product

Built Flutter features and REST API integrations for a UAE-based banking product; maintained the iOS Swift codebase for HiDoctor.

EDUCATION

Master of Computer Applications (MCA) | SRM Arts and Science College | 2024

Bachelor of Computer Applications (BCA) | Bishop Heber College | 2022