



ABINESH R R

FULL STACK DEVELOPER

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Painkulam, Kanyakumari, TN,
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EXECUTIVE SUMMARY

Full-Stack Developer with 2+ years of hands-on experience designing and delivering scalable, production-grade mobile, web, and backend systems using Flutter, Python FastAPI, and Microservices architecture. Strong expertise in building cross-platform mobile applications (Android & iOS), high-performance REST APIs, gRPC-based inter-service communication, and event-driven systems using Kafka and RabbitMQ. Proven track record of delivering business-critical solutions involving booking workflows, payments, notifications, AI integrations, and logistics optimization, while writing clean, maintainable, and testable code and collaborating effectively within Agile/Scrum teams to drive reliable and scalable outcomes.

SKILLS

- Frameworks:** FastAPI, Flutter
- Programming Languages:** Python, Dart, JavaScript
- State Management:** GetX, Provider, Riverpod
- Local Data Storage:** Hive, Shared Preferences
- Backend Technologies:** gRPC, RabbitMQ, Kafka, Micro-service
- Databases:** MySQL, PostgreSQL, Query Optimization, Indexing & Data Modeling
- Cloud & Integrations:** Firebase (Auth, Firestore, Storage, Crashlytics), Third-Party SDKs, Rocket.chat
- Version Control:** Git, Gitlab, Github
- Tools & IDEs:** Github, Postman, Android Studio, Visual Studio Code, Xcode, Cursor, Windsurf
- Methodologies:** Agile, Scrum

EDUCATION

BACHELOR OF MECHANICAL ENGINEERING (2019 - 2023)

University College of Engineering,
Nagercoil, Kanyakumari

CGPA - 7.83(First class)

HIGHER SECONDARY EDUCATION

K.A.B.D.M. Hr. Sec. School, Painkulam
PERCENT - 84.66%

SECONDARY EDUCATION

K.A.B.D.M. Hr. Sec. School, Painkulam
PERCENT - 97.8%

PROFESSIONAL EXPERIENCE

Agile Cyber Solutions, Nagercoil

JUNE, 2023 - PRESENT

Full Stack Developer

Product: Booking App(Petcare) - E-commerce Application

- Developed high-performance **cross-platform** application for e-commerce booking, delivering a seamless experience for **Android and iOS**.
- Integrated **Firebase** Authentication, **OneSignal** notifications, Stripe payments, and **Rocket.Chat** to deliver real-time in-app chat.
- Developed high-performance **FastAPI REST APIs** using a scalable **microservice** architecture, with **gRPC** enabling inter-service communication.
- Implemented **RabbitMQ** for event streaming and data synchronization between services, integrated **Stripe** payments and **OneSignal** notification.
- Reduced development time by **30%** through **modularized services**, shared utilities and reusable API layers, accelerating delivery in **Agile sprints**.

Service: FleetYes - Logistics Optimization Platform for Amazon AFPs

- Worked on the **Driver-Trip auto-allocation** module of the FleetYes logistics platform, focusing on automated resource assignment.
- Implemented **constraint-based optimization** using **Google OR-Tools** to efficiently match drivers with trips based on availability and operational rules.
- Improved **allocation accuracy** and reduced **manual planning** effort by integrating **optimization logic** into the backend system.

Service: SeeBaby.ai – AI-Driven Fetal Ultrasound Enhancement Platform

- Integrated **AI models** to enhance fetal ultrasound images.
- Developed a **support ticket** module to streamline user assistance.
- Used **Kafka** for replication to ensure data consistency and synchronization across services.

ACHIEVEMENTS & CERTIFICATIONS

- Recognized as the **Most Flexible Developer** for quickly adapting to new technologies and delivering quality work under tight deadlines.
- Completed **Python-FastAPI course** on Udemy, gaining expertise in building high-performance APIs with FastAPI.