

VIGNESHAYYANAR M

Flutter Developer

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Summary

Flutter Developer with expertise in building cross-platform mobile applications using Dart and Firebase. Skilled in implementing real-time databases, authentication systems, and cloud infrastructure. Experienced in delivering production-ready apps with clean architecture, state management, and seamless user experiences in fast-paced development environments.

Skills

Mobile Development: Flutter, Dart, Android, iOS, Cross-platform Development

Backend & Cloud Services: Firebase (Auth, Firestore, Realtime DB, Storage, Messaging, AWS (Lambda, Amplify, CloudWatch, EC2, S3, IAM), Node.js

Technologies & Tools: Git, React, MongoDB, Docker, Postman, VS Code, Android Studio, Antigravity

Experience

Full Stack App Developer Intern

November 2025 – Present

Maestromind (Hybrid)

Tools Used: Flutter, Firebase

- **Independently developing MaxBillUp billing application** from concept to deployment using Flutter and Firebase backend services.
- Architecting complete app solution including invoice generation, staff management, inventory tracking, and Bluetooth printer integration.
- Implementing Firebase Authentication, Firestore database, and real-time synchronization for seamless multi-device data access.
- Designing offline-first architecture with local persistence ensuring uninterrupted business operations during connectivity issues.

Flutter App Developer Intern

July 2025 – August 2025

Ignito Corporation - Startup (Remote)

Tools Used: Flutter, Dart, Firebase

- **Contributed to 5+ production Flutter applications** collaborating with 10+ developers in an agile development environment.
- Implemented role-based access control, Firebase Authentication, and Firestore integration for dynamic data handling across multiple apps.
- Enhanced UI/UX design patterns following Material Design guidelines, improving user navigation and engagement metrics.
- Participated in code reviews, Git workflows, and sprint planning sessions ensuring code quality and timely feature delivery.

AWS Cloud Intern

February 2025 – June 2025

Brainovision Solutions India Pvt. Ltd. (Remote)

Tools Used: AWS Lambda, Amplify, CloudWatch, EC2, S3, IAM

- Completed comprehensive 4-month training program mastering AWS cloud services including Lambda, Amplify, and CloudWatch monitoring.
- Configured EC2 instances, S3 buckets, and IAM roles ensuring security compliance and access control for cloud infrastructure.
- Developed serverless functions using AWS Lambda for automated workflows and real-time data processing tasks.
- Implemented CloudWatch dashboards for real-time monitoring, alerting, and performance tracking of cloud resources.

Education

M.Tech in Computer Science and Engineering (Integrated 5-Year)

2023 – 2028

Sri Sairam Engineering College, Chennai

Pursuing

12th Standard

Graduated: 2023

Little Flower Matric. Hr. Sec. School

Projects

MaxBillUp – Billing Management System | *Flutter, Firebase, Bluetooth* 2025

- **Built comprehensive Flutter billing app for 50+ store owners** featuring invoice generation, staff management, and inventory tracking.
- Integrated Bluetooth connectivity enabling seamless printing to thermal printers with custom print templates and formatting logic.
- Implemented role-based permissions system with Firebase Authentication supporting admin, manager, and staff access levels.
- Designed offline-first architecture with local data persistence and automatic sync capabilities ensuring uninterrupted business operations.

Harvest Hub – Food Donation Platform | *Flutter, Firebase, Real-time Database* 2025

- Developed social impact application connecting food donors with recipients through real-time posting and collection system.
- Engineered Firebase Realtime Database integration for instant updates and push notifications ensuring timely food distribution.
- Created intuitive user flows for posting donations, browsing available items with geolocation-based filtering for nearby donations.
- Implemented secure authentication system with profile management and donation history tracking—facilitated 200+ successful donations.

Attendance Management System | *Flutter, Firebase, Cloud Functions* 2025

- Built enterprise-level attendance tracking system supporting separate interfaces for students and staff with role-based dashboards.
- Developed 8 automated attendance reports using Firebase Cloud Functions generating daily, weekly, and monthly analytics.
- Integrated push notifications for attendance alerts, schedule updates, and administrative announcements improving communication efficiency.
- Pioneered BLE (Bluetooth Low Energy) beacon technology for automated proximity-based attendance marking, eliminating manual check-ins and reducing administrative overhead through contactless student verification.
- Designed comprehensive admin panel for user management, attendance verification, and export functionality in CSV and PDF formats.

Contact Management App | *Flutter, Firebase, Native Integration* 2025

- Created full-featured contact management application managing 1,000+ contacts with CRUD operations and call history tracking.
- Implemented Firebase Authentication supporting signup, login, and secure session management with password recovery features.
- Utilized Flutter platform channels for native Android integration enabling direct access to phone dialer and call logs.
- Designed search and filtering capabilities with local caching for optimized performance and offline accessibility across devices.

Awards & Certifications

- **Programming in Java – NPTEL (2024):** Completed comprehensive Java programming certification covering OOP concepts and advanced features.
- **The Joy of Computing using Python – NPTEL (2024):** Mastered Python fundamentals, data structures, and computational thinking.