PRATHIBHA BHARATHI S D

Full Stack Developer | Flutter & Node.js

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years of experience specializing in Flutter and backend development using Node.js and PostgreSQL. Proven expertise in building scalable mobile applications, OCR-based solutions, and offline-first mobile systems that have improved field data capture efficiency by up to 40%. Strong in REST API development, business logic implementation, and cloud integrations. Passionate about developing high-performance, user-centric applications.

TECHNICAL SKILLS

Programming Languages: Dart, Python, PHP, JavaScript

Frontend & Mobile: Flutter (Cross-platform Development, Responsive UI), HTML, CSS

Backend: Node.js, Express.js, RESTful API Development

Databases: PostgreSQL, MySQL, Firebase Firestore, Isar

Cloud & Services: Firebase (Auth, Firestore, Storage), Google Cloud Platform (Document AI)

Concepts: Data Structures, OOPs, RBAC, API Design, Database Schema Design, Workflow Automation

Tools & Version Control: Git, GitHub, Swagger (OpenAPI), Postman, VS Code, Claude Code, Cursor

WORK EXPERIENCE

Flutter Developer | PharmIT, Bangalore

Jul 2025 – Present

Developed cross-platform mobile applications using Flutter for enterprise use cases, including OCR-based document processing, Spare Parts Tracking, and Sales Force Automation (SFA) systems, supporting Android, iOS, and tablets, while following a modular MVVM-inspired architecture with clear separation of UI, business logic, and API layers for scalable and maintainable applications.

- Designed and developed cross-platform Flutter applications supporting Android, iOS, and tablet devices, ensuring responsive UI across multiple screen sizes and orientations.
- Implemented scalable backend services using Node.js and Express.js for managing field operations and expense workflows.
- Architected, integrated, and tested RESTful APIs using Swagger (OpenAPI) for request/response validation and backend communication.
- Engineered a Role-Based Access Control (RBAC) system supporting 9+ user roles and executed multi-level approval workflows for expenses, DCR, and logistics requests.
- Structured PostgreSQL database schema with optimized queries, constraints, and relationships.
- Built an OCR Reader application by integrating Google Cloud Document AI (Invoice Parser, Form Parser, Image OCR) to extract structured data from PDFs and images, reducing manual data entry time by approximately 50%.
- Implemented Firebase services including Authentication, Firestore, and Cloud Storage for secure access, real-time data synchronization, and document management.
- Built an offline-first application architecture using the Isar local database, enabling uninterrupted data capture and reliable synchronization with cloud services, improving application usability in low-network environments by an estimated 35%.
- Worked on a Spare Parts Tracking System, implementing inventory listing, search, status updates, and data synchronization features.

- Contributed to a Sales Force Automation (SFA) application, focusing on intuitive UI/UX design, field-user workflows, and performance optimization.
- Applied Flutter best practices including state management, reusable widgets, clean architecture, and performance tuning.
- Used Git and GitHub for version control, collaborating with senior developers through branching, pull requests, code reviews, and merge conflict resolution.

Software Developer | Progen ERP System Pvt Ltd, Manipal

May 2024 – Apr 2025

- Built, deployed, and maintained software applications, including production server deployment and issue troubleshooting to ensure high availability and performance.
- Implemented REST API integrations using PHP within the Scriptcase platform, enabling secure and efficient data exchange between internal systems and external services.
- Configured secure connections and optimized system communication, improving performance, scalability, and reliability.
- Designed and enhanced dynamic validation forms in Scriptcase integrated with MySQL (HeidiSQL) for structured client data collection.
- Created responsive table layouts using HTML and CSS, and automated Word document generation and storage using Python and Django.
- Performed ERP software validation and testing, collaborated with clients to gather requirements, provided feedback, and prepared documentation for certificate generation.

PERSONAL / ACADEMIC PROJECTS

Online Student Feedback System | CodeIgniter, PHP, MySQL

- Developed a web-based student feedback system using PHP, CodeIgniter, and MySQL to collect, manage, and analyze student feedback efficiently.

Chatbot Application | Python, NLP, ML

- Designed and developed an AI-powered chatbot using Python and NLP techniques for automated user interaction and query handling.

EDUCATION

Master of Science in Computer Science — Mangalore University, Mangalore

CGPA: 8.09

CERTIFICATIONS

- DevOps Training Certificate (2023) — Intellipaat Solutions
- Machine Learning Internship Certificate (2024) — Feynn Labs