

DEEPAK DAS

Full Stack Developer

deepakdas.since2004@gmail.com | +91 9496407635 | github.com/deepakdas-d | linkedin.com/in/deepak-das-d

PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience building cross-platform mobile applications, scalable backend systems, and production-grade web interfaces. Proficient in Flutter, Dart, Django, Django REST Framework, and React.js with strong expertise in RESTful API design, Firebase services, and state management (GetX, Provider, BLoC). Experienced in cloud deployment on AWS EC2, Nginx reverse proxy, SSL/TLS (Let's Encrypt), Linux server administration, and CI/CD pipelines using GitHub Actions. Skilled in WebSocket-based real-time communication, WebRTC, payment gateway integration (Razorpay), IoT device integration, push notifications (FCM), and Google Play Store publishing.

TECHNICAL SKILLS

- **Mobile:** Flutter, Dart, Cross-Platform Development (Android, Windows), Google Play Store Publishing
- **Frontend:** React.js, Component Architecture, Role-Based Dashboards, Admin Portals
- **Backend:** Django, Django REST Framework, FastAPI, RESTful API Design, WebSockets
- **Cloud & DevOps:** AWS EC2, Nginx (Reverse Proxy & Static Hosting), Unicorn, SSL/TLS (Let's Encrypt), Linux Server Administration, systemd, GitHub Actions (CI/CD)
- **State Management & Architecture:** GetX, Provider, BLoC, MVC, Clean Architecture, Modular Architecture
- **Firebase:** Authentication, Cloud Firestore, Cloud Storage, Firebase Cloud Messaging (FCM)
- **Databases:** PostgreSQL, Firestore, SQLite
- **Real-Time & Communication:** WebRTC (P2P Audio/Video), WebSockets, FCM Push Notifications
- **Native Android:** Kotlin, Background Services, Android Lifecycle, Runtime Permissions
- **Payments & Maps:** Razorpay Integration, Location-Based Services, Map API Integration
- **Other:** Git, GitHub, Performance Optimization, Structured Error Handling, App Signing, APK/AAB Build

PROFESSIONAL EXPERIENCE

Full Stack Developer

April 2025 – Present

Techfif0 Innovations

▷ QLIQ – Home Nurse Care Platform

Flutter | Django | AWS EC2 | Nginx

- Built a cross-platform Flutter application for real-time booking and tracking of home healthcare services.
- Designed and developed secure RESTful APIs with JWT-based authentication and multi-role access control (admin, staff, user).
- Deployed Django backend on AWS EC2 with Nginx reverse proxy, configured SSL/TLS via Let's Encrypt, and managed DNS/domain routing for stable HTTPS production access.
- Managed Linux server environment including systemd service configuration, environment variables, and Unicorn process management.
- Implemented structured API exception handling, retry logic, and GetX-based reactive state management on the Flutter client.

▷ Helpdesk Ticket Management System

React.js | Django | GitHub Actions | Nginx

- Developed a modular React.js frontend with role-based workflows for issue tracking and resolution management.
- Built reusable component architecture with centralized state management and clean separation of concerns across feature modules.
- Automated build and deployment using GitHub Actions CI/CD; served production build via Nginx static hosting on Linux.

▷ DIVYA CRAFT – Multi-Role Business Application

Flutter | Firebase | Kotlin

- Developed user, maker, and admin Flutter apps with Firebase Authentication, Firestore, and Cloud Storage.
- Integrated FCM push notifications and native Android background services using Kotlin.
- Managed lifecycle-aware components, runtime permissions, and memory optimization across all roles.

▷ BRAND BUILDERS – Poster Creation Application

Flutter | Firebase | Play Store

- Built a cross-platform design and editing app using Flutter with Firebase Auth, Firestore, and Cloud Storage.
- Managed app signing, generated release builds (APK/AAB), and published to Google Play Store.

▷ AGRITA – IoT Motor Valve Controller

Flutter | Django REST Framework | IoT

- Developed a Flutter-based control interface for IoT device operations integrated with a Django REST Framework backend.
- Implemented secure device communication protocols and real-time status monitoring with a responsive industrial UI.

Backend Developer

QliqCare – Healthcare Service Platform

▷ QliqCare – On-Demand Multi-Role Healthcare Platform

Django | DRF | React.js | Flutter | AWS

- Architected and delivered a complete multi-role platform (caretaker, user, admin) end-to-end within 3 months as sole architect and DevOps engineer.
- Built backend using Django and DRF with role-based secure API design, structured endpoint organization, and PostgreSQL database.
- Implemented WebSocket-based real-time communication for live chat, audio, and video call coordination.
- Integrated Razorpay payment gateway for advance and total payment processing workflows.
- Developed location-based attendance validation with map API research and integration.
- Built Superadmin Dashboard using React.js covering booking management, complaint handling, and reporting modules.
- Handled full server deployment: AWS EC2 provisioning, Nginx reverse proxy, SSL/TLS, Gunicorn setup, and production hardening.
- Contributed to Flutter mobile applications for caretaker and user-side booking flows.

Flutter Developer

Freelance

▷ FineFoods – POS Billing System

Flutter | Firebase | SQLite | Bluetooth

- Developed a custom POS billing application for Android and Windows as an independent freelance engagement.
- Implemented Bluetooth thermal printer integration for instant bill generation and printing.
- Built inventory and stock management, sales monitoring, and transaction history modules.

Flutter Developer

Personal Project

▷ Privtalk – Real-Time P2P Communication App

Flutter | WebRTC | Firebase | BLoC

- Independently built a real-time P2P communication app featuring messaging, audio, and video calling using WebRTC and Firebase.
- Built WebRTC signaling architecture using Firestore; integrated FCM for incoming call push notifications.
- Implemented background call handling, lifecycle management, reconnect logic, and WebRTC session stability on Android.
- Used BLoC architecture for scalable state management and `go_router` for navigation.

SOFT SKILLS

- **Leadership & Team Management:** Led cross-functional teams, coordinated sprint planning, and ensured on-time project delivery.
- **Problem Solving:** Researched and implemented solutions for complex technical challenges including WebSocket architecture and location validation.
- **Communication:** Effectively communicated technical decisions, conducted code reviews, and aligned team on module requirements.
- **Adaptability:** Transitioned across roles — Flutter Developer, Backend Developer, and Team Lead — within the same project lifecycle.
- **Time Management:** Delivered a full-scale multi-module platform within a strict 3-month timeline.
- **Collaboration:** Worked across mobile, backend, and dashboard teams ensuring seamless integration and shared ownership.

CERTIFICATIONS

• Artificial Intelligence Fundamentals

IBM SkillsBuild

Demonstrates knowledge of AI concepts including natural language processing, computer vision, machine learning, deep learning, neural networks, and AI ethics. Includes conceptual understanding of running AI models using IBM Watson Studio.

INTERNSHIP

Python Full Stack Intern

Sept 2024 – Jan 2025

▷ **Secure Web Application with Blockchain Integration**

Django | JavaScript | Ganache | IPFS

- Developed a secure web application using Django and JavaScript with role-based access control (RBAC) and authentication workflows.
- Integrated blockchain simulation using Ganache and decentralized file storage via IPFS.
- Designed RESTful API endpoints and managed database schema migrations.

EDUCATION

Bachelor of Computer Science

University of Calicut

2022 – 2025

73%