Althafar ali

Fullstack Flutter Developer

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About me

Dynamic and results-driven Fullstack Flutter Developer with a proven track record of delivering innovative solutions. Dedicated to leveraging cutting-edge technologies and collaborative approaches to deliver exceptional user experiences and drive business growth. Seeking opportunities to join a dynamic team where I can contribute my skills and expertise to create impactful solutions and drive technological advancement.

Skills

- **Mobile Development**: Flutter, Dart, Bloc, Provider, MVVM, Hive
- **Backend & APIs**: Node.js, Express.js, Prisma, Socket.IO, REST API design
- **Databases**: PostgreSQL, MongoDB, Firebase (Auth, Firestore, Realtime DB)
- **Cloud & DevOps**: AWS (S3, Lambda, MediaConvert, Rekognition), Docker (basic), Cloudflare
- **Security & Auth**: JWT, OAuth, Role-based Access, Refresh Tokens, Caching Strategies
- **Testing & Tools**: Git/GitHub, Postman, VS Code
- **Other Integrations**: Razorpay, Judge0, GenAI APIs (Gemini, OpenAI)

Projects

All-in-One Developer Learning & Community Platform
Tech stack : Flutter, Node.js, PostgreSQL, Socket.io, Redis, AWS, TypeScript, Prisma, Firebase, Gemini, Judge0, Razorpay

- Developed a cross-platform e-learning app supporting **free & paid** users.
- Implemented **MVVM** (**Bloc**) architecture for scalability and maintainability.
- Built a **markdown**-based blog system with **offline** access (**Hive**), **deeplinks**, and **push notifications**.
- Delivered secure course videos (**Adaptive Bitrate HLS Streaming**),**encrypted** PDFs, and quiz/task **gamification**.
- Integrated an AI-powered course assistant using **Gemini**.
- Added social features: **followers/following** (like X), **comments** (YouTube style), open challenges, bug bounties, and category-based discovery.
- Launched Project **LaunchPad** (inspired by Product Hunt) and implemented **real-time chat** (socket.io) with last seen, sent/receive status.
- Integrated **Judge0** code editor and **Razorpay** payments.
- Currently building **Posts** feature (like X) and a Job Board , group chat and file attachments.

On Demand Video Streaming Platform
Tech stack : Flutter, Bloc , Firebase Auth, AWS , Node.js, MongoDB

- Developed a video streaming platform with features reminiscent of Netflix and YouTube.
- Employing **Video on Demand** (VOD) infrastructure using AWS **S3**, AWS **SQS**, AWS **Lambda**, AWS **Elemental MediaConvert** and AWS **CloudWatch** to facilitate efficient video processing and delivery.
- Integrating HTTP Live Streaming (**HLS**) to offer adaptive bitrate streaming with multiple resolutions, enhancing viewing flexibility.
- Used **MVVM** architecture with **Bloc** for scalable and maintainable state management

Complete Chat App
Tech stack : Flutter, Provider, Socket.io Node.js, MongoDB, Redis pub/sub , Firebase Auth and Storage

- Implemented advanced features including **private** messaging, **group chat,** real-time updates with Socket.io, and **phone authentication**.
- Designed for persistence, ensuring **chat history** remains accessible across sessions.
- Enabled notifications for incoming chats, enhancing user engagement.
- Integrated **online/last seen** status indicators, message **sent and read receipts** for enhanced user interaction.
- Integrated **Redis pub/sub** for scalable chat distribution across multiple servers and planning to integrate Kafka.

Vehicle Monitoring App (Final Year Project)
Tech stack : Flutter, Arduino, Firebase Realtime Database, Firebase Auth, Google Maps API

- I Spearheaded the development of a **IoT**-based vehicle monitoring application, showcasing expertise in **Flutter** and **hardware integration**.
- Implemented **real-time** monitoring of **fuel, speed, GPS location**, and **crash detection**, ensuring optimal safety and efficiency.
- Led a team of engineers and played a pivotal role in the successful delivery of the project, demonstrating strong **leadership** and **teamwork** skills.

Other Works

- **Al-Mutawa Pharmacy App Clone**: Fully cloned UI of Al-Mutawa Pharmacy app showcasing detailed product layouts and interactions.
- **Al-Mutawa Snkr App Clone:** End-to-end UI clone of Al-Mutawa sneaker app with real-like fake data using Provider state management
- **News App**: MVVM-based news app with Firebase Auth, Remote Config, category-wise headlines, search, translations, and webviews
- **AI YouTube Sentiment Analyzer**: Analyzes YouTube comments for any video URL using AI-based sentiment analysis.
- **Dental App**: Modern UI with custom tooth widget, Firebase queries, age/problem filters, and role-based access for doctors/admins → Reduced admin burden by **80**% and improved data accuracy by **50**%.
- **OCR & Braille App**: OCR-powered app for text-to-Braille and Braille-to-text conversion with multilingual translation support.

EDUCATION

Manakula Vinayagar Institute of Technology

- B.Tech in Electronic and Communication Engineering
- CGPA: 8.5 /10

Kolping Mat Hr sec school

- Class X - Percentage : 95%
- Class Xll - Percentage : 83%

Languages

- Tamil
- English
- Urdu
- Hindi

Achievements

- Secured **2nd** place in **AI Hackathon**.
- Secured **2nd** place in **Scimit** an **intercollege** competition
- Finalist in **Zoho CliqTrix** among 1000's of participants.

Contributions

- Contributed to the development of a **student dental registration** app for a medical college on our campus.
- Redefined patient registration procedures, reducing administrative burden by **80%** and improving data accuracy by **50%.**