

# MALIK AQIB MEHMOOD

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## EXPERIENCE

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### Flutter Developer

Apr. 2022 – Mar. 2023

*RF Technologies*

- Developed robust and responsive Flutter applications integrated with Django backends using REST APIs.
- Created optimized database schemas and efficient queries with PostgreSQL and Django ORM.
- Improved app performance and UI rendering to deliver a smooth and engaging user experience.
- Conducted peer code reviews and led troubleshooting of production-level issues across the Flutter and Django stack.
- Proactively identified and troubleshooted backend and frontend issues, ensuring robust and scalable solutions in Django APIs and Flutter applications.
- Provided guidance and mentorship to junior developers, fostering a culture of continuous learning and improvement in Django and Flutter development.

### Senior Flutter + Backend (Django) Developer

Jan. 2022

*Madhan Solutions*

- Spearheading the development of scalable cross-platform mobile applications using Flutter with clean architecture and state management (GETX).
- Engineered RESTful APIs and backend services using Django & Django REST Framework, integrating seamlessly with Flutter frontends.
- Designed and optimized PostgreSQL databases, ensuring high performance, scalability, and data integrity.
- Collaborated closely with UI/UX teams to craft intuitive, high-performance user interfaces.
- Provided mentorship and technical leadership to junior developers on Flutter best practices and backend integration.

### Senior Developer + Team Lead

Mar. 2023 – Jul. 2023

*DAXNO TECHNOLOGIES PVT LTD*

- Led a team of mobile developers in building enterprise-level Flutter applications backed by Firebase and Firestore.
- Integrated Firebase Authentication, Firestore, and Cloud Functions for real-time features and enhanced scalability.
- Ensured pixel-perfect UI implementation and responsiveness across Android and iOS platforms.

## MAJOR PROJECTS

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### Ride Share App | *Flutter, Django, PostgreSQL, AWS, GoogleMaps*

Jan. 2025

- Developed a **ride-sharing mobile application** using **Flutter** for a smooth user experience and **Django** as the backend for real-time ride management
- Integrated **Google Maps API** for real-time ride tracking, route optimization, and fare calculation
- Implemented **WebSockets (Django Channels)** for live ride status updates, driver-rider communication, and ride requests.
- Used **Firestore Cloud Messaging (FCM)** for instant push notifications, including ride requests, driver arrivals, and payment confirmations.
- Secured the application using **SSL, CSP, firewalls, input validation, and OAuth authentication** to protect user data..

### DocPilot – Self-Hosted AI Document Chat System

- Developed a privacy-focused AI chat application enabling users to upload documents (PDF, CSV, XLS, etc.) and receive contextual answers based solely on their content. Built a **Flutter + Bloc** interactive chat interface and a **Django REST** backend for document processing, indexing, and AI orchestration. Integrated **LangChain** for retrieval-augmented generation (RAG) with **Ollama** to run local LLMs, ensuring no cloud data storage. Used **HuggingFace embeddings** for vector search and **PostgreSQL** for scalable storage. Designed for security, offline operation, and real-world private AI workflows.

### Elite Run App | *Flutter/Firebase, Google Maps, Stripe, WebSockets (Published on App Store)* Jul. 2024

- Developed a **feature-rich running and activity tracking app** using **Flutter** for an intuitive user experience and **Firebase** for real-time data management.
- Integrated **Google Maps API** for accurate GPS tracking of running routes, pace, elevation, and heart rate monitoring.
- Enabled **ERA community engagement** with **social media-like feeds**, allowing users to share run logs, training progress, and achievements.
- Built **Guided Runs** with voice-assisted coaching, providing real-time motivation and performance tracking.
- Developed a **challenge system** where users can create and join running challenges, earn badges, and compete with friends.

## TECHNICAL SKILLS

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**Languages:** Python, Dart, SQL, PostgreSQL, SQL Server, MySQL, Sqflite

**Frameworks:** Flutter Django, DRF, Firebase, Googlrmaps, Vue.js

**Developer Tools:** Git, VS Code,PyCharm, Postman, Slack

**Libraries:** Getx, DRF, DIO,HTTP, Pandas, Django Channels,websockets

**Soft Skills:** Problem Solving, Strategic Thinking, Communication, Adaptability, Teamwork and Collaboration, Time Management, Attention to Detail, Leadership

## EDUCATION

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**COMSATS University**

*Bachelor of Science in Computer Science*

Islamabad, Pakistan