# Muhammad Nawaz
## Software Engineer – Flutter

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## PROFESSIONAL SUMMARY

Detail-oriented Software Engineer with specialized expertise in Flutter, creating responsive, cross platform mobile applications. Proficient in Dart, Firebase, and REST API integration. Skilled in state management solutions (Riverpod, GetX), clean architecture patterns (MVC, MVVM), and local storage using SQLite/Sqflite. Committed to continuous learning and delivering pixel-perfect, user focused apps that solve real-world problems.

## WORK EXPERIENCE

**Flutter Intern**                                                         *December 2024 – March 2025*
**Gencore**                                                                                Remote

- Enhanced skills in integrating RESTful APIs, Firebase services, state management and clean architecture.
- Collaborated with a team of 4 developers to create a user-friendly interface that improved user engagement by 30%, as evidenced by a 25% increase in daily active users.
- Integrated RESTful APIs and Engineered Firebase authentication flows and real-time database connections that improved user retention by 25% through seamless login experiences.
- Built and optimized production-level Flutter components using clean architecture principles, improving maintainability across multiple projects.

**IT and Systems Administrator**                                          *December 2022 – November 2024*
**Sindh Lakhra Coal Mining Company**                                                     Hyderabad

- Maintained and updated the corporate website (SLMC), ensuring 100% uptime and timely updates to regulatory, operational, and corporate notices—viewed by 1,000+ stakeholders monthly.
- Created and maintained 500+ financial documents in digital/physical archives, streamlining audits and reducing retrieval time by 40%.
- Implemented a structured file storage system, improving financial document retrieval speed by 60% during audits.
- Designed automated Excel templates for coal dispatch tracking, cutting manual reporting time by ~40%.

## TECHNICAL SKILLS

**Mobile & Cross-Platform Development:** Flutter, Dart, Android SDK, Java, Kotlin, XML.
**Backend Development & Databases:** Firebase, REST APIs, SQLite/Sqflite, SQL, MongoDB.
**Version Control & Development Tools:** Git, GitHub, Visual Studio Code, Android Studio.
**Web Development:** HTML, CSS, Bootstrap, JavaScript, jQuery, DOM.
**Additional Programming Languages:** C++, Python.

## PROJECTS

**TikTok Clone | *Flutter • GetX • Firebase • MVC • Provider***
- Engineered a video-sharing app supporting 10K+ daily active users, featuring real-time feeds, video uploads, user interactions, and search functionality.
- Reduced video load time by 40% by implementing a Firebase backend, improving user engagement metrics.
- Achieved 98% frame rate consistency across devices by optimizing real-time feed updates.

**Google Keep Notes Clone | *Flutter • SQFLite • Firebase • Google Sign-In***
- Developed complete CRUD operations for notes with 200ms average response time for local database queries.
- Integrated Google Sign-In to streamline user onboarding, reducing login time by 30%.

**Weather App | *Flutter • OpenWeatherMap API • JSON Parsing***
- Delivered a location-based weather app with real-time temperature, humidity, and wind speed at 99% API uptime.

**Food Recipe App | *Flutter • Edamam API • Firebase Auth***
- Created a recipe search app with adaptive layouts, serving 5K+ monthly recipe queries via Edamam API.
- Implemented Firebase Authentication to secure user data, reducing unauthorized access incidents by 100%.

## EDUCATION

**Bachelors of Engineering in Software Engineering**                       *October 2018 – October 2022*

*Mehran University of Engineering and Technology*                              Jamshoro, Pakistan