

Muhammad Nawaz

Software Engineer



+92-3012053957



engineermohammadnawaz@gmail.com



linkedin.com/in/engineer-muhammad-nawaz/



muhammadnawazportfolio.netlify.app/



Karachi, Pakistan

PROFESSIONAL SUMMARY

Detail-oriented and collaborative Software Engineer passionate about building impactful, user-friendly digital solutions. Skilled at translating complex concepts into practical applications through problem-solving and creativity. Experienced in cross-functional teams delivering high-quality software and growing through new challenges.

WORK EXPERIENCE

Flutter Intern

December 2024 – March 2025

Gencore

Remote

- 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.

PROJECTS

My Instagram Clone | Android • Kotlin • Firebase • Picasso

- Replicated core Instagram features (posts, stories, comments) with Firebase backend, handling 5K+ user interactions daily.
- Achieved real-time sync with 200ms latency using Firebase SnapshotListeners for feed updates.

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.

Video Player | Android • Kotlin • ExoPlayer • Brightness/Gesture Controls

- Designed and developed a custom video player supporting 200+ local/online media files with gesture-based navigation, including double-tap to seek, and CRUD operations for video files enhancing user interaction.
- Engineered precise gesture recognition algorithms achieving 98% accuracy in adjusting brightness and volume.

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%.

EDUCATION

Bachelors of Engineering in Software Engineering

October 2018 – October 2022

Mehran University of Engineering and Technology

Jamshoro, Pakistan