MUHAMMAD HASSAN VAHAND

Flutter Developer | Mobile Apps, .NET APIs & Business Systems

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PROFESSIONAL SUMMARY

Flutter-focused software developer building practical mobile applications and business systems. Strongest in Flutter/Dart, application flows, API integration, local data, Firebase, responsive UI, and Android-focused delivery. Also experienced in creating and maintaining ASP.NET Core APIs and SQL Server-backed workflows when projects require backend services. Uses AI-assisted development responsibly for planning, debugging, code review, and web implementation; Next.js/React work is presented as practical AI-assisted implementation rather than a primary specialization.

CORE SKILLS

Mobile Development
Flutter, Dart, Android apps, responsive UI, state management, REST API integration, Firebase, SQLite

Backend & APIs
ASP.NET Core Web API, REST APIs, JWT authentication, validation, role permissions, SignalR

Databases
SQL Server, MySQL, Entity Framework Core, database-backed business workflows

Tools & Delivery
Git/GitHub, Visual Studio, VS Code, Postman, Vercel, Hostinger, deployment troubleshooting

Business Systems
ERP, attendance, monitoring, inventory, audit logs, PDF/report generation, barcode workflows

Working Familiarity
Next.js, React, TypeScript and Tailwind through AI-assisted implementation and project customization

SELECTED PROJECTS

EcoTrack - Industrial Environmental Monitoring

Flutter, ASP.NET Core API, SQL Server, SignalR

Monitoring solution for temperature, humidity, service health, API status, historical records, reports, and desktop/mobile workflows.

- Built Flutter screens for live and historical monitoring, charts, alerts, audit information, configuration, and PDF/report workflows.
- Integrated the application with a .NET API, SQL Server data, SignalR updates, and persistent service configuration.

SteriTrack - Autoclave Cycle Monitoring

Flutter, CSV processing, local storage, PDF/thermal printing

Mobile application that imports logger data, detects sterilization cycles, calculates F0 values, and stores printable records.

- Implemented cycle extraction rules, charts, result history, validation, audit-oriented records, and printable reports.
- Focused on reliable data processing and practical operator workflows for industrial use.

Employee Attendance & Payroll System

Flutter, FastAPI, MySQL

Mobile and admin workflows for employee check-in/out, geofence and QR attendance, shifts, leave requests, and reporting.

- Designed employee, supervisor, and administrator flows with assignment rules, audit records, and attendance reports.
- Connected Flutter interfaces to backend APIs and database-driven business rules.

Zone - Android Multi-App Kiosk & Usage Control

Flutter, Android device administration, backend integration

Kiosk-style Android solution for controlled device access, timed sessions, login by ID/PIN, approved-app launching, and administrative release.

- Worked on persistent session handling, countdown behavior, kiosk restrictions, app allowlists, and backend synchronization.
- Handled Android-specific device-owner and lock-task workflows alongside Flutter UI and state management.

ADDITIONAL BUSINESS SYSTEMS

ERP-GRANDE - Garments ERP & Barcode Tracking

ASP.NET Core MVC, SQL Server, Entity Framework Core

Business ERP covering customers, purchase orders, inventory, products, production processes, reporting, and per-piece barcode traceability.

- Contributed to CPO workflows, product/size records, production batch numbering, station scanning, role-gated screens, and PDF improvements.
- Used .NET and SQL Server to implement required backend and database features with AI-assisted planning, debugging, and review.

Nexvora Workspace - Business SaaS

Next.js, ASP.NET Core Web API, SQL Server

Company workspace for departments, users, roles, clients, leads, services, projects, quotations, invoices, payments, and reporting.

- Worked on business requirements, authorization structure, tenant separation, API behavior, deployment, and end-to-end testing.
- Next.js/React interface work was completed through AI-assisted implementation and customization; it is not presented as the primary coding specialty.

Colony Counter

Flutter

Prototype mobile application for colony counting, reports, user roles, permissions, audit history, and responsive workflows.

- Created mobile UI flows and structured requirements for administration, reporting, and record history.

Quizler / Patternix

Flutter / Android, Firebase

Educational quiz and pattern-based mobile game projects with multiple modes, logic challenges, and online concepts.

- Worked on gameplay flows, Firebase integration, responsive layouts, and Android stability improvements.

DEVELOPMENT APPROACH

- Primary focus: Flutter mobile application development, Android delivery, API integration, and business-oriented app flows.
- Backend capability: builds and maintains .NET APIs and SQL Server workflows as required by mobile and business projects.
- AI usage: uses tools such as ChatGPT and coding agents for planning, scaffolding, debugging, testing, and review while validating project behavior and requirements.
- Web positioning: capable of managing and customizing Next.js/React projects with AI assistance, but does not claim React as a primary hand-coded specialization.

EDUCATION & TRAINING

Bachelor Graduation - Islamic Studies with Computer Technologies
University of Karachi, Shaikh Zayed Islamic Department | Completed 2025

Flutter Mobile App Development Course - Saylani Mass IT Training (SMIT)
Training focused on Flutter application development, UI implementation, and mobile development workflows.

AVAILABILITY

Open to Flutter Developer, Mobile Application Developer, Junior Software Developer, and business application roles where Flutter is the primary responsibility and .NET/API knowledge is an advantage.