

MUHAMMAD SULEMAN SALEEM

Full-Stack Software Engineer | AI Product Engineer | LLM Systems & Automation | Production-Ready AI Solutions

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SUMMARY

Full-stack Software Engineer with **5+ years of experience**, **19+ projects shipped**, and **7+ business-process automations deployed** across mobile, web, and desktop applications – and, more recently, production AI/LLM-powered systems. Deep expertise in Flutter and Dart, with hands-on backend experience in Node.js, NestJS, and Next.js. Over the past two years I've shifted into AI-integrated products – RAG pipelines, multi-provider LLM orchestration (Claude, OpenAI, ElevenLabs), and workflow automation with n8n – alongside continued Flutter/mobile delivery. Known for mentoring developers, automating repetitive workflows, and shipping production systems end-to-end.

KEY ACHIEVEMENTS

- **Recognized 3x Employee of the Month** at Techtiz for consistent, high-impact delivery.
- **Built Production AI Systems:** RAG pipelines and multi-provider LLM orchestration (Claude, GPT-4o, ElevenLabs) with automatic failover.
- **Enterprise System Integration:** Integrated a React Native app with SAP ERP, supporting thousands of daily batch scans nationwide.
- **Automation at Scale:** Designed 7+ business-process automations (n8n, Go High Level), including a 1-minute lead response system.
- **Technical Leadership:** Led a development team and mentored engineers while maintaining clean, scalable architecture across Flutter, NestJS, and Express.
- **Core Expertise:** Flutter & cross-platform development, full-stack development (Node.js, NestJS, Next.js), AI/LLM integration (RAG, multi-provider orchestration), and workflow automation (n8n).

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer & AI Product Engineer

2024 – Present

Techtiz — Township, Lahore

- **NebuFit – AI-Powered Fitness & Health Platform**
 - Applied **Flutter** for one codebase across iOS/Android; used **PostgreSQL/Supabase** and **Redis** for caching.
 - Implemented computer-vision body analysis (**Claude, GPT-4o**) generating personalized fitness assessments and progress comparisons.
 - Designed a **RAG**-based fitness assistant and multi-provider AI orchestration with SSE streaming and automatic failover.
 - Implemented full **Stripe** subscription lifecycle management with webhook processing.
- **Orient Champions – FSM Incentive Platform**
 - Refactored and decoupled both the **React Native** frontend and **NestJS** backend, removing dead code and tight coupling.
 - Replaced ad hoc state with **Redux** for centralized, predictable state management.
 - Rebuilt the cron pipeline so **SAP ERP** sync and batch-scan reconciliation complete reliably before business hours.
 - Fixed push notifications end-to-end via **FCM** and repaired the app updater – **cutting bugs by roughly 90%** that drove daily client support calls.
- **Creative OS – AI Desktop App for Creators**
 - Built a local-first AI desktop app indexing local creative assets via a **RAG** pipeline with local vector embeddings.
 - Integrated **Claude API** for grounded screenplay rewriting and ideation.
 - Built native Final Draft (.FDX) parsing and an extensible **MCP** server architecture.
- **UNITY Desktop & Web Portal – Role-Based Enterprise Workspace**
 - Built a role-based **Electron** desktop workspace with a dynamically-fetched menu per user role.

- Built the **Next.js/NestJS** admin portal for role/layout management, propagating changes to the desktop app on next login.
- Added script-injected credential auto-fill and socket-based real-time notifications.
- **United Global Vanline – Lead Response Automation**
 - Built 13 **n8n** workflows consolidating voice/SMS/voicemail onto Aloware, contacting new leads **within 1 minute** and placing an **AI voice call within 2 minutes**.
 - Built a 3-workflow deposit/refund chain via **Clover** with idempotency keys, and an **OpenAI**-based call-quality scoring engine.
- **Mobile App:**
 - **Linked Golf** – Refactored **Bloc** state and **PubNub** chat across a live, already-published golf social app serving real users; added **Stripe**-billed event subscriptions with team management and OTP-verified joins.
 - **Aniflex** – Built a **Flutter** fitness/gamification app using an avatar-progression system tied to real workout consistency, with buddy-sharing so friends track and motivate each other.
 - **Exodus App** – Rebranded a live healthcare app (formerly Blue Sky) used by doctors and patients for appointments and vitals, and re-engineered its wristband vitals-sync to remove a failure-prone network round trip.
- **FlutterFlow Templates:**
 - **Kumquat** – Published an 81-page **FlutterFlow** UI kit for skill-sharing/consultation-booking apps – auth, booking, payments, chat, video calling – to the Marketplace, reaching **577 downloads**.
 - **Foodii** – Published a 65-page **FlutterFlow** recipe-discovery template with a production-ready, Firestore-mirrored data schema, giving developers a backend-ready starting point – **537 downloads**.
- **Automation Projects:**
 - **The Ramirez Legal Group** – Built a **Zapier** pipeline keeping ClickUp case data and a client-facing dashboard continuously synchronized, removing manual re-entry and the risk of the two systems drifting apart.
 - **Capital Shack** – Built two linked **Google Apps Script** automations that categorize, file, and OCR-extract data (Document AI) from incoming client documents, eliminating a manual triage bottleneck prone to errors.
 - **AGENTC Job Discovery Automation** – Replaced a Selenium scraper with **Apify** actors across 4 parallel **n8n** workflows for daily decision-maker discovery, cutting monthly tool cost from \$600–800 into a \$200–300 target.
 - **Social Media Post Automation** – Built a 6-platform automated publishing pipeline (**n8n**, Cloud Functions) with AI-generated captions and automated OAuth token refresh, reducing the client’s workflow to one approval step.
 - **Zendesk AI Support Automation** – Built three linked **n8n** workflows that OCR ticket attachments, transcribe **Aircall** recordings, and draft AI replies as reviewable internal notes, logged to a centralized audit hub.
- **Web & Client Sites:**
 - **Techtiz Website** – Built the corporate marketing site in **Astro** on **Vercel** with a headless WordPress blog and a fully isolated government (SLED) section, supporting SEO at scale without duplicating markup.
 - **ATTN Agency** – Built a fully native, element-based Go High Level homepage using the platform’s own components, with **Google Gemini** generating custom visual assets unavailable in the native library.

Flutter Developer

2021 – 2024

BooleanBites Ltd. — Johar Town, Lahore

- **Houzi – Real Estate Template App**
 - Created a real estate template app for the popular **Houzez WordPress theme**, used by over **53,000+** users globally.
 - Achieved **500+ Envato sales**, a **4.84/5** rating, and **5K+ downloads** on Google Play Store.
 - Implemented clean architecture and efficient state management using **Bloc**, enhancing app load times, API latency, and UI responsiveness.
- **HouziBuilder – Desktop Configuration Tool**
 - Built a **Flutter** desktop app (Windows/macOS) replacing manual JSON editing with a guided, form-driven builder covering branding, navigation, and screen layouts, with a live device-frame preview.
 - Implemented **Hive**-cached license verification and a **REST API** connection wizard pulling real site data – lowering the technical barrier and reducing configuration errors for non-technical users.

- **Houzi-Rest-API – WordPress REST API Plugin**

- Built and maintained the **PHP/WordPress** plugin bridging the Houzi app and website, exposing REST APIs for fetching and posting/updating data.
- Extended the plugin with **OneSignal** push notifications and chat/comments/reply functionality, keeping the app and site reliably synchronized as the platform scaled.

- **Collaboration & Mentorship:** Worked closely with designers, QA teams, and product owners to align on features and quality benchmarks; provided technical mentorship, reviewed pull requests, and upheld clean coding standards across the team.

EDUCATION

Bachelor of Computer Science

2015 - 2019

Information Technology University (ITU)

Intelligent Home Automation System with Dr. Suleman Mazhar.

CERTIFICATIONS

Anthropic: Claude 101, Claude Platform 101, Claude Code 101, Introduction to Agent Skills, Claude Code in Action, Introduction to Model Context Protocol, Introduction to Claude Cowork

n8n: n8n Level 1, n8n Quickstart, n8n101 (Essentials: Your First Workflows), n8n102 (Integrations: APIs and Connected Workflows), n8n103 (In Practice: AI, Testing, and Best Practices)

OTHER SKILLS AND TOOLS

- **Programming Languages:** Dart, Java, Kotlin, Swift, JavaScript, TypeScript, PHP, Python
- **Frameworks & Technologies:** Flutter, Electron, Node.js, NestJS, Express, Next.js, FlutterFlow, Expo, React Native, Astro
- **AI/LLM:** Claude API / Anthropic, OpenAI GPT-4o, ElevenLabs, RAG, MCP (Model Context Protocol), Emergent Labs
- **Databases:** PostgreSQL, Firebase Firestore, MongoDB, MySQL, Hive, SQLite, Redis
- **Cloud & Serverless:** Firebase (Auth, Analytics, Crashlytics), Supabase, Google Cloud Functions, AWS S3
- **Automation:** n8n, Zapier, Google Apps Script, AppSheet, Go High Level, Retell AI, Aloware, CloseBot, Apify
- **Integrations:** Stripe, Twilio, SAP RFC, PubNub, JWT, Hunter.io, ZeroBounce, Nocodb, ChromaDB
- **Architecture & Patterns:** Clean Architecture, Scalable Architecture, MVC, Singleton, Observer
- **Practices & Methodologies:** Agile, Scrum, UI/UX Implementation, Responsive Design, API Integration, Native iOS & Android Integrations
- **Version Control & PM Tools:** Git, GitHub, SourceTree, Jira, Trello, Slack, Worktivity, ClickUp
- **IDEs & Development Tools:** Android Studio, Xcode, Cursor, Visual Studio Code, Postman, Unity 3D