

FARHAN

Full-Stack Software Engineer | React · Flutter · .NET · Python/FastAPI · Firebase

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ years shipping production systems end-to-end — API design, service architecture, mobile/web frontend, and DevOps — for enterprise clients including Zepto, Reliance, Nykaa, Indian Army, Trent, and Delhivery, powering 10,000+ daily operations across 17+ warehouses at 99% uptime. Expanded scope into backend security and cloud infrastructure, building a self-hosted FastAPI streaming service and a Firebase App Check / Cloud Functions attestation layer to close client-trust security gaps. Proficient across C++, Flutter, .NET, Python, TypeScript, React, and Firebase/PostgreSQL/MySQL, independently owning features from requirements through production handoff.

TECHNICAL SKILLS

Languages: C#, C++, Java, Python, SQL, TypeScript, JavaScript, Dart

Frontend / Mobile: Flutter, Kotlin, React, HTML5, CSS3 — cross-platform web & mobile

Backend / Cloud: .NET, Node.js, FastAPI, REST APIs, Firebase (Auth, Firestore, Cloud Functions, App Check), Docker

Databases: MySQL, PostgreSQL, MongoDB, Firebase Firestore, Query Optimization

Tools & Practices: Git/GitHub, System Design, Microservices, CI/CD, Offline-First & Real-Time Architecture, Security-Minded Engineering, Agile/Scrum, AI-Assisted Development

PROFESSIONAL EXPERIENCE

Software Development Engineer — Falcon Autotech Pvt Ltd

May 2024 – Present

Noida, India

- **Own end-to-end delivery** of 6+ enterprise applications — requirements, API design, hand-held-terminal (HHT) integration, QA, client UAT, and production handoff — for Zepto, Reliance, Nykaa, Indian Army, Trent, and Delhivery.
- **Architected a highly configurable HHT workflow engine** for Reliance with granular permissions, real-time state sync, and multi-level approval chains; independently delivered Nykaa's full-cycle solution with zero escalations.
- **Designed offline-first architectures and reusable logging frameworks**, cutting debugging time by 40% and boosting system reliability by 35% across the HHT fleet.
- **Migrated core services to modular .NET 8**, reducing latency and maintenance overhead by 25–30% while simplifying long-term platform maintainability.
- **Maintain 99% uptime** across 17+ warehouses processing 10,000+ daily operations; deployed a cross-border (London) warehouse solution handling internationalization, timezones, and compliance.

PROJECTS

Deluxe Dhaba — Audio Streaming Platform | Flutter, Python, FastAPI, Docker

2026 – Present

- Built a full-stack streaming app end-to-end: Flutter client plus a self-hosted, Dockerized FastAPI/yt-dlp resolver service with request authentication, per-IP rate limiting, and signed-URL-aware TTL caching.
- Engineered self-healing playback (automatic stream re-resolution on failure, auto-skip on repeat failure) via a server-driven app-integrity kill switch using Firebase Remote Config and a native Kotlin↔Dart platform channel.

XVault — Privacy-First Vault App | Flutter, Firebase, Cloud Functions (Node/TS)

2026

- Architected a Firebase App Check (Play Integrity) attestation layer and App-Check-gated Cloud Functions to close a client-side trust gap exploitable by modified APK builds.
- Root-caused a multi-variable Play Integrity attestation failure using direct on-device diagnostics; hardened the release build with R8/ProGuard and Dart AOT obfuscation, and built a reactive Firestore remote-control system (kill switch, forced updates, feature flags).

Other Projects: Personal Safety App — gesture-based SOS, stealth mode, trusted contacts & real-time GPS sharing on Flutter/Firebase (Auth, Realtime DB, Crashlytics) — in development · Flutter Group Chat Platform — Firebase-backed real-time chat for 500+ concurrent users, 40% lower read costs · AI Chatbot — voice-enabled GPT-4 & DALL-E text/image generation.

EDUCATION

B.Tech in Computer Science — Amity University, Noida

2020 – 2024

CGPA: 8.4 / 10

CERTIFICATIONS & PUBLICATION

- Cisco CCNA — Networking (Dec 2022) & Routing and Switching (Apr 2023)
- Published: "A Unified DL Framework for Dual Cancer Diagnosis" — Lecture Notes in Networks and Systems, Springer, 2024