

Zohaib Ali Mughal

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SUMMARY

Full-stack engineer specializing in Flutter and TypeScript with 2+ years of experience and 3 production apps, owning everything from schema design to CI/CD and store release.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, SQL, Python

Frontend: Next.js, React, Tailwind CSS, TanStack Query, Radix / shadcn UI

Mobile: Flutter (BLoC, Riverpod, Provider), Capacitor, App Store & Play Store releases

Backend: Node.js, NestJS, Fastify, tRPC, REST / OpenAPI, Zod, BullMQ, NATS JetStream

Data & DevOps: PostgreSQL, Prisma, Supabase, Redis, Docker, AWS, Railway, Vercel, GitHub Actions

Payments & Quality: Stripe Connect & Billing, Paymob, Airwallex, Sentry, Jest, Vitest, Playwright

PROFESSIONAL EXPERIENCE

Slidey LLC | *Lead Full-Stack Software Engineer*

Nov 2024 – Present

Architecting and operating multiple production B2B/B2C SaaS platforms end to end.

ETG Platform, Field-Service Operating System

May 2026 – Present

Platform for an Australian electrical & telecom group: dispatch, workforce, assets, procurement, and dual-sided billing.

- Sole architect of the full monorepo, built to stop an estimated \$300k+/year of margin leakage from unbilled supplier costs and scheduled-vs-actual billing gaps across two legal entities sharing customers.
- Designed an enforcement-first decision engine — one pure, unit-testable gate evaluating every dispatch, closeout, and invoice transition, logging every block and manager override to an audit trail — backed by scored reconciliation that matches bank transactions to supplier invoices so no job reaches ready-to-invoice until its costs are accounted for.

Stack: Next.js, React, Fastify, tRPC, Prisma, PostgreSQL, BullMQ, Redis, Airwallex, Docker.

Hyss, Live-Event Staffing Marketplace (hyss.io)

Jan 2026 – Apr 2026, now on retainer

Marketplace for hiring certified freelance event crew; one codebase serving web, iOS, and Android via Capacitor.

- Built the Stripe Connect financial core: payout onboarding, hybrid seat and usage-metered subscription billing, per-invoice checkout links with configurable fee splits, and idempotent webhook reconciliation.
- Implemented bidirectional Google and Apple calendar sync (encrypted OAuth tokens, retryable job queue) and realtime per-event crew chat on Supabase Realtime; hardened the platform with company-enforceable TOTP MFA, tokenized document-access approvals, and CI running ephemeral-Postgres integration tests and Playwright E2E on every PR.

Stack: Next.js, React, Fastify, tRPC, Prisma, PostgreSQL, Supabase, Stripe Connect, Capacitor, Sentry.

Sportefy, Sports Venue Booking & Matchmaking SaaS

Mar 2025 – Dec 2025, now on retainer

B2B2C platform live in Pakistan: NestJS API, Next.js admin dashboard, and a Flutter app on both stores.

- Built the versioned REST backend — additive-only API contract, OpenAPI drift gates in CI, and server-driven version gating, so every release shipped without breaking the mixed-version mobile install base — including a pluggable payments domain (gateway adapter, wallet ledger, promo codes), realtime match chat on Supabase Realtime, and multi-actor RBAC driven by one shared permission matrix.
- Developed the consumer Flutter app with offline request queuing and replay, automatic token refresh, fault-tolerant parsing, QR check-in, and wallet checkout.

Stack: NestJS, Flutter, Next.js, Prisma, PostgreSQL, Supabase, Railway, Vercel, GitHub Actions.

A-Safe Digital, CRM & Quoting-Engine Microservices

Nov 2024 – Feb 2025

- Maintained and scaled an event-driven microservices architecture on NATS JetStream with strict type-safe boundaries and clean-architecture principles, keeping inter-service latency under 100ms with 95% test coverage and eliminating critical production regressions.

Stack: TypeScript, Node.js, NATS JetStream, React, PostgreSQL.

TECHNICAL PROJECTS

RiskSense, Loan-Default MLOps Pipeline (Final-Year Project, Meezan Bank Limited): ensemble ML pipeline orchestrated with ZenML and MLflow, reaching 92% AUC-ROC with sub-100ms inference via a containerized Flask API.

Algorithmic Chess Engine: min-max search with alpha-beta pruning, killer-move heuristics, and transposition tables, reaching a verified 1600 ELO.

EDUCATION & ACHIEVEMENTS

Institute of Business Administration (IBA), Karachi

Graduated: 2025

BSc in Computer Science | National Talent Hunt Program Scholar (Top 33 / 7,290 candidates)

Teaching Assistant, Mobile App Development (IBA): mentored 100+ students, raising class assessment averages by 30%.

Kaggle ML challenges: 2nd and 3rd place in two university-wide competitions (150+ participants).