

Ahmed Reyyan

Full-Stack Software Engineer

Pakistan (Open to Remote) | reyyanahmed085@gmail.com | +92 313 733 6617 | ahmedreyyan.me | linkedin.com/in/ahmed-r-0568b3222 | github.com/ahmedreyyan

SUMMARY

Full-Stack Software Engineer with 4+ years of building software (since 2023), including 2.5 years in professional roles shipping production web and mobile applications with TypeScript, React, Next.js, Node.js and PostgreSQL. Co-led a career platform with 1,200+ API routes, built live streaming on LiveKit and MediaMTX, Stripe and mobile money payments and OpenAI-powered products, and run production on AWS with CI/CD; 3,400+ GitHub contributions since 2024. Owns features end to end: database schema, REST APIs, React and React Native front ends, automated tests, CI/CD and Linux servers.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3

Frontend: React, Next.js, React Native, Expo, Redux Toolkit, TanStack Query, Tailwind CSS, shadcn/ui, React Hook Form, Zod

Backend: Node.js, Express.js, REST APIs, WebSockets, Socket.IO, JWT authentication, Prisma, TypeORM, cron jobs, webhooks

Databases: PostgreSQL, Supabase, MySQL, MongoDB, Redis, row-level security, schema migrations

Cloud & DevOps: AWS (EC2, ECS, S3, RDS, SES), Docker, Nginx, PM2, GitHub Actions, CI/CD, Linux (Ubuntu), Azure (Blob Storage, Container Apps)

Integrations: Stripe (Checkout, webhooks, transfers), Mastercard MPGS, MTN Mobile Money, Orange Money, WebRTC (WHIP), LiveKit, MediaMTX, HLS, coturn, Strapi, OpenAI API, Twilio Voice, Google Calendar API, Sentry, n8n, Firebase Cloud Messaging, IMAP/SMTP

Testing & Tools: Vitest, Playwright, unit, integration and end-to-end testing, load testing, Postman, Puppeteer, Git, GitHub

PROFESSIONAL EXPERIENCE

Software Engineer

Mar 2026 – Present

Univerze LLC | Remote

- One of two lead engineers on Univerze, a career and social networking platform (Next.js, React, TypeScript, Node.js, PostgreSQL, TypeORM); made 409 commits in 7 months and wrote about 450 of its 1,220 API routes and 200+ pages, the most of any engineer.
- Built live streaming from scratch on LiveKit, with Stripe-powered virtual coins, gifting and creator payouts, live battles, and real-time captions with AI topic summaries.
- Designed the personalized feed-ranking engine (interest scoring, topic classification, student recommendations) and an XP and milestone gamification system.
- Built freelance marketplace payments on Stripe (job funding, milestones, hire offers, freelancer teams) and a shop with seller orders and payouts.
- Built most of the internal sales CRM: CSV lead import, Gmail IMAP reply sync, bulk outreach with tracked links and analytics, discount tiers, a public demo booking page and in-browser calling with Twilio Voice.
- Shipped AI products on the OpenAI API: an AI website builder (Sandpack preview), an AI app builder (Expo Snack preview), a workflow automation canvas, smart replies, AI job descriptions and an AI auto-reply stand-in.
- Delivered an employer and school mentorship expansion (41-table schema, 100+ API routes, scheduled jobs, end-to-end tests) and teacher and school-admin portals built from 34 Figma screens.
- Set up CI/CD from GitHub Actions to AWS EC2 and Sentry monitoring; restored the live site after a deploy wiped the build (504 outage), fixed out-of-memory CI builds and fixed production schema drift that caused crash loops.
- Created UVZ Documents (single sign-on with Univerze) and the UVZ Mail React Native app; wrote 41 of 46 commits on UVZ Mail web: Mailcow auth, IMAP/SMTP, scheduled send, AI compose and triage, Docker and AWS ECS deploy.

Full-Stack Developer

May 2025 – Present

Classy Endeavors | Remote

- Build production features with Next.js, React, Node.js, Express, Prisma and PostgreSQL.
- Develop workflow automations with n8n, AI voice tools and Twilio.
- Ship updates to live systems and improve backend performance.

Frontend Intern

May 2024 – May 2025

Enigmatix | On-site

- Built production features with React, Next.js and Tailwind CSS, matching designs pixel for pixel.
- Integrated REST APIs and improved data handling across front-end components.
- Fixed layout bugs, improved page performance and built reusable UI components.

Independent Developer

2023 – May 2024

Self-directed projects | Remote

- Built JavaScript and React projects alongside a BS in Software Engineering, covering REST APIs, databases and responsive UI.
- Built MarketTank, a business-insights web app for small businesses with scoring and recommendations (Next.js, React, Node.js, MongoDB).

PROJECTS

- **Tcheede (food and grocery delivery platform, Cameroon)** (*Node.js, Express, PostgreSQL, Supabase, React Native, AWS EC2, Nginx, PM2*): Full-stack and payments work on a live delivery app with customer, driver and store apps.
 - Integrated MTN Mobile Money, Orange Money and Mastercard Hosted Checkout (MPGS) into a Node.js, Express and PostgreSQL backend; orders settle only after the gateway confirms, with server-side amount checks and authenticated callbacks and webhooks.
 - Found the bug that left every MTN payment stuck on "pending", fixed it, added a reconciliation cron job and recovered two customer orders that had been paid but never settled.
 - Completed the bank's 18-case card acceptance test plan for Mastercard; all 28 test runs passed on the test gateway.
 - Migrated production to a new AWS EC2 server and Supabase PostgreSQL 17: connection pooling, row-level security on all 66 tables, Nginx reverse proxy with WebSocket support, SSL and PM2 auto-restart.
 - Shipped 10 Android releases of the React Native customer, driver and store app and fixed client-reported issues in driver order dispatch, admin routing and voucher setup.
 - Wrote client- and bank-facing test reports and Postman collections for the payment APIs.
- **Strug (super-app, Canada)** (*Node.js, Express, Prisma, PostgreSQL, Socket.IO, Redis, MediaMTX, HLS, WebRTC, React 19, Azure*): Full-stack engineer on live streaming for a team-built super-app (social, video, rideshare, food, shop); 83 commits in 10 weeks, Jul–Sep 2026.
 - Built most of the viewer and creator side of live streaming on top of an existing OBS/RTMP-to-HLS pipeline: category and VOD browsing, the watch page with hls.js playback, Azure Blob archives, clips, chat replay and a Stream Manager dashboard; wrote 24 of 33 commits in the live-streaming frontend.
 - Added one-tap go-live from the browser: camera or screen published to MediaMTX over WebRTC (WHIP) and played to viewers as HLS, with unit tests on both sides.
 - Built live monetisation: coin wallets, gifts and a leaderboard, subscriptions and follows, with wallet changes inside database transactions.
 - Built self-hosted 1:1 voice calls (Socket.IO with a Redis adapter, coturn relay, Prisma call state machine); load-tested 500 simultaneous calls on two replicas with zero errors.
 - Fixed authorisation gaps across food, courier, payments and AI chat with integration tests; added upload back-pressure and chunked Azure uploads, health probes, crash reporting, single-run cron across replicas and ESLint in CI.
- **Sportsfixtures** (*Strapi, Node.js, REST APIs*): Short contract on a live sports fixtures site: pulled real-time match data from a sports data API into a Strapi database and served it live to the frontend.
- **ScaleOS** (*Next.js 16, React 19, GSAP, Framer Motion, Tailwind CSS*): Animated marketing site with hero, feature sliders and demo video; 99 commits and 27 merged pull requests.
- **DronOS backend** (*Node.js, Express 5, WebSockets, MAVLink, Prisma*): Drone control backend: MAVLink telemetry over WebSockets, admin-to-drone messaging and flight analytics.
- **Terraformer TypeScript** (*TypeScript, Node.js, AWS, Terraform*): Published npm CLI that scans existing AWS resources and generates the Terraform for them.
- **SystemMap** (*TypeScript, ts-morph, Zod, Vitest*): Static-analysis tool that draws a TypeScript codebase's architecture as a dependency graph; 70 automated tests.

EDUCATION

Bachelor of Science in Software Engineering

Expected May 2027

Islamia University of Bahawalpur | Bahawalpur, Pakistan

Relevant coursework: Data Structures, Analysis of Algorithms, Databases, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning