Musab Bin Zubair

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Summary

Software Engineering graduate from COMSATS with proven experience delivering production-ready mobile and web applications, including apps published on **Google Play** and the **Apple App Store**. Remote Software Engineer at **WasyNova Tech** building scalable products using Expo React Native, Flutter, Next.js, and Django.

Education

COMSATS University Islamabad, Lahore Campus — Lahore, Pakistan
Bachelor of Science in Software Engineering — *Sep. 2022 – Jul. 2026*

Certifications: Google APAC Solution Challenge 2025 (Google Developer Groups & Asian Development Bank) | Microsoft Office Specialist: Word Associate (Microsoft / Certiport, 2022)

Technical Skills

Languages: JavaScript, TypeScript, Dart, Python, Java, C/C++, SQL, HTML/CSS
Frameworks: React Native (Expo), Flutter, Next.js, React, Node.js, Express, Django, FastAPI
Mobile & Desktop: Android, iOS & Windows apps, Play Store & App Store releases, push notifications, geofencing, OAuth
Databases: PostgreSQL, Supabase, MongoDB, Firebase, MySQL, MS SQL Server
Cloud & DevOps: AWS, Docker, Supabase Edge Functions, Vercel
Tools & Concepts: Git, GitHub, Turborepo, REST APIs, OOP, DSA, Agile / Scrum

Projects

Drive Route 66 | *Expo React Native, Next.js, Django, Redis, AWS, Turborepo* — driveroute66.com | Play Store | App Store

- Production travel-planning app for US Route 66 on Google Play and the App Store, cataloging **10,000+ points of interest**; mobile and web shipped from a shared **Turborepo monorepo** with Google/Apple OAuth and geofenced push notifications.
- Django + Redis backend hosted on **AWS** powering location data, auth, and notifications, plus a React admin panel.

Teachly | *Flutter (Android + Web), Supabase, PostgreSQL* — Final Year Project | teachly.systems

- **4-role education marketplace** (student / teacher / institute / admin) shipped to Android and web from one Flutter codebase, on a real-time Supabase backend with **25+ Postgres triggers** and heartbeat-aware notification routing.
- Admin-approved payments with a 5/95 revenue split, QR-scan attendance, access-gated PDF materials, and 3-tier post verification.

East Crafts E-Commerce Store | *Next.js, TypeScript, Supabase (Auth, Database, Edge Functions)* — eastcrafts.pk

- Store with **20+ live products**, auth, role-based admin portal, checkout, and order-status emails via Edge Functions.

Heritage Land Takeoff | *FastAPI, Python, PostgreSQL, Next.js* — Client system, UAE

- Parses CAD drawing PDFs (with OCR) into priced line items and issues numbered, frozen PDF quotations.

Wahaj Traders POS | *Flutter, Supabase, PostgreSQL* — Client system, Rawalpindi

- Grocery POS shipped as a **Windows EXE and Android APK from one codebase**, with four roles and OTP sign-in.

Oral Health Scanner | *Flutter, TensorFlow Lite, Supabase, Python* — Client app, Karachi

- Screens mouth photos for signs of oral cancer with a custom Python-trained model running **on-device**.

More client work: Khata (PWA), Paw Protect, Mousik, Dreams by Sarwat, and SEO websites for DOCS4DOCS, Home Care Services Group, GynaeMed Complex, and Liberty Harbor & Bay Law.

Experience

WasyNova Tech — 2025 – Present
Software Engineer (Remote) — *Pakistan*

- Distributed Germany + Pakistan team building production web and mobile apps for German and US clients in Agile sprints.
- Lead developer on **Drive Route 66**: owned the cross-platform monorepo and the Django backend (OAuth, geofencing, push).

Freelance Mobile & Web Developer — 2023 – Present
Self-employed — *Lahore, Pakistan*

- Built and shipped **10+ mobile, desktop, and web products** for clients in Pakistan, the USA, the UAE, and Germany across Flutter, Supabase, Next.js, and FastAPI, from requirements through deployment and support.

Leadership & Activities

Tech Lead, GDGOC COMSATS Lahore (2024 – 2025) | **Tech Lead**, Robotics & Automation Society (2024 – 2025)
Co-Director, Tech Team, ACM Student Chapter (2025 – 2026) | **Co-Tech Lead**, IEEE Student Chapter (2025)
Managed Techoverse 4.0, RAS Fiesta 4.0 & RAS Connect 3.0; hosted monthly webinars (**50+ attendees**) on mobile, web & Git.