

Hassan Mehmood

Full Stack Developer

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WORK EXPERIENCE

Full Stack Developer

Jan 2025 – Present

DeveloperTag

Lahore, Pakistan

- Built core modules for eCom Central, a multi-entity e-commerce system processing **\$3M+** monthly transaction volume, including sales reports, inbound/refunds management, and payroll.
- Led a cross-functional team on SafeStreet, a road safety incident reporting platform deployed across Australian states, enabling law enforcement agencies to process reports **60%** faster.
- Built an email routing automation system for Microsoft 365 mailboxes, cutting client onboarding overhead by **85%** and eliminating **2-hour** manual configuration per account.
- Developed a student retention platform for an aviation academy tracking **200+** students, replacing manual outreach with automated email campaigns and engagement workflows.

Full Stack Developer

Jun 2024 – Dec 2024

KloudPlugins

Lahore, Pakistan

- Delivered a car detailing booking platform integrating **3** regional payment gateways (Urway, Tabby, Tamara) with bilingual support, streamlining appointment scheduling and driving revenue growth.
- Built a full e-commerce platform with POS, invoicing, and multi-department management modules, improving the client's daily operational efficiency across business units.
- Optimized database queries in an ELD fleet management system, fixing compliance reporting accuracy for US transportation companies serving DOT regulations.

PROJECTS

eCom Central | *Next.js, TypeScript, tRPC, PostgreSQL, BigQuery*

- Built a type-safe API layer with **tRPC** and **TypeScript** across the full stack, enabling real-time sales reports, inbound tracking, and refunds management with role-based access control.
- Designed a **PostgreSQL** schema with multi-entity data isolation, supporting payroll calculations, shipment reconciliation, and adjustment workflows handling **50,000+** monthly Amazon FBA shipments.
- Integrated **BigQuery** on **GCP** for product activity analytics and sales dashboards, aggregating data from multiple storefronts into unified cross-entity reports.

AI Storybook Generator | *MERN, GPT-4, DALL-E 3, Redis, Stripe*

- Built an async story generation pipeline with **GPT-4** and **DALL-E 3** orchestrated via **Redis**-backed job queues, reducing book creation time from 8+ minutes to under 3 minutes.
- Engineered a character consistency system passing AI-generated appearance tokens across **DALL-E 3** prompts, ensuring visual continuity across 10+ illustrations per book.
- Integrated **Stripe** with webhook-driven order fulfillment for subscription and one-time payments, with **Node.js** streams for PDF assembly and **MongoDB** for user libraries and book metadata.

EDUCATION

COMSATS University Islamabad

Lahore, Pakistan

Bachelor of Science in Software Engineering

2021 – 2025

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, SQL, Java

Frontend: React.js, Next.js, React Native (Expo), Tailwind CSS, PrimeReact, shadcn/ui, Framer Motion

Backend: Node.js, Express.js, REST APIs, tRPC, JWT Authentication, Socket.IO, Background Jobs (Cron)

Databases: MongoDB, PostgreSQL, Redis, SQLite, BigQuery, Supabase

Cloud & Tools: AWS (EC2, S3), Docker, Nginx, Vercel, Git, Retool

Integrations: OpenAI API, Stripe & Webhooks, Microsoft Graph API, Google OAuth

CERTIFICATIONS

Meta Front-End Developer Professional Certificate — Coursera

July 2023

Introduction to Generative AI — LinkedIn Learning

February 2023