

Muhammad Wasil

Full Stack Engineer | MERN · Next.js · AI Integration · AI Automations

wasilsohail123456@gmail.com | +92 306 3965043 | Pakistan | linkedin.com/in/muhammadwasil | github.com/wasilali | systemharbor.com

SUMMARY

Full Stack Engineer with 5 years of production experience building 50+ SaaS products, AI-powered platforms, and automation systems for companies and founders in the US and UAE. I dig into the actual business problem before writing any code, then build the simplest system that solves it well. I have shipped LLM integrations as core product logic, built automation engines that replace entire manual workflows, and handed over systems that keep working without me.

EXPERIENCE

SiteNative | Full Stack Engineer, Team Lead

Sep 2025 - Present

- Built TradePilot AI from scratch, a crypto copy-trading platform where users connect broker accounts and let the system handle trade execution on their behalf.
- The hardest part was the risk engine: a rule-based automation system that closes positions when they hit a loss threshold and pauses all trading if the account drops too far in a single day. No manual step, no margin for logic error.
- Integrated Alpaca, Webull, and Snaptrade APIs behind one unified dashboard so users see a single view regardless of which broker they use.

Tripventura | Full Stack Engineer

Jan 2024 - Present (Remote)

- The core problem was that multi-supplier travel inventory is inconsistent and breaks booking flows at the worst moment. Built a pricing sync engine that keeps availability accurate across multiple providers at the same time.
- Shipped a multi-stop itinerary builder that handles concurrent API calls, resolves conflicts between suppliers, and degrades gracefully when upstream data is unavailable.
- Cut load time for users on slower MENA-region networks by splitting bundles, lazy loading heavy components, and reducing asset weight.
- Two years of continuous ownership on one platform means I have seen how features actually behave for real users, not just in testing.

Paklogics | Full Stack Engineer

Mar 2024 - Aug 2025

- The platform's publishing workflow depended entirely on print-on-demand working reliably. Owned the full Lulu API integration covering order management, dynamic pricing, and fulfillment tracking so authors never had to leave the platform.
- Found the root cause of a slow UI rather than working around it. Moved the data layer to TanStack Query, Zustand, and RTK Query, which stopped unnecessary re-renders and cut redundant API calls under concurrent load.
- Built an author dashboard that replaced the spreadsheets writers were using to track titles, orders, and royalties.

Sofrix | MERN Stack Developer

Aug 2023 - Mar 2024

- Built Colorverse Books, a book marketplace where the main problem was discovery: most users could not describe what they wanted in keyword terms. Used OpenAI to power natural language search, auto-generate book summaries, and build reading profiles per user. Recommendation accuracy reached 91% after launch.
- Shipped a luxury retail storefront where slow image loads and a clunky checkout were killing conversions. Fixed both with progressive image loading and a cleaner Stripe checkout flow.

Stackup Solutions | Associate Software Engineer

Mar 2022 - Aug 2023

- Built JWT authentication with role-based access control across multiple client apps, first time owning security-critical code in production.

- Traced slow load times on two apps back to state management, not the network. Fixed it with code splitting, lazy loading, and a Redux restructure.
- Integrated payment gateways and third-party REST APIs into consumer-facing products while learning to write code that a team can read and change later.

SKILLS

Languages: TypeScript, JavaScript (ES2022+), SQL, Bash

Frontend: React.js, Next.js 14, Tailwind CSS, TanStack Query, Zustand, RTK Query, Framer Motion

Backend: Node.js, Express.js, REST APIs, GraphQL, WebSockets, Socket.io

AI and Automation: OpenAI API, LangChain, RAG Systems, Prompt Engineering, n8n, Zapier

Databases: MongoDB, PostgreSQL, Redis

Cloud and DevOps: AWS (EC2, S3, Lambda, CloudFront), Vercel, Docker, CI/CD, GitHub Actions

Payments and APIs: Stripe, Alpaca API, Snaptrade, Lulu API, Webull API

NOTABLE PROJECTS

UseThirdParty | Digital Escrow Platform

Multi-stage escrow platform with milestone-based payment release, biometric verification, and AI-assisted dispute resolution. Three prior development teams had failed this build. Shipped to production in 16 weeks. Processed \$450K in Q1. Dispute volume down 85%. Resolution rate 94%.

Colorverse Books | AI Book Generation and Print Platform

Users enter a prompt. The platform generates black-and-white illustrated book pages via AI. The user picks and arranges the pages they want. The system assembles a complete book. Lulu print-on-demand API handles physical printing and fulfilment with no manual step. Built the full pipeline: prompt to generation, page selection UI, book assembly, Lulu API order integration, and real-time fulfilment tracking.

TradePilot AI | Crypto Copy-Trading Platform

A master trader operates a live account. Every trade placed by the master, at whatever percentage and type, day trade or swing, is automatically mirrored on each connected user's real broker account in real time. Users connect a broker, fund the account, and all trades execute without any action on their part. Built the copy-execution layer, broker integrations across Alpaca, Webull, and Snaptrade, and the risk engine: positions auto-close at 3% loss per trade, all trading pauses 24 hours on a 10% daily drawdown.

Emporium | Luxury E-commerce Platform

E-commerce platform with progressive image loading, filtering by brand, material, and style, multi-currency checkout with real-time conversion, and AI product recommendations. Conversion up 67% in month one. Cart abandonment down 43%. Average order value up 35%.

TestKart | AI-Powered Exam Preparation Marketplace

Exam marketplace with adaptive difficulty algorithms, automated AI question tagging, real-time peer ranking, and video lessons with quiz synchronization. Student engagement up 2.1x. Instructors earned \$180K through the platform. Content volume grew 340% post-launch.

Qubio | Video QR Platform

Platform for generating interactive video QR codes with a built-in video editor, campaign analytics, and secure sharing. Video delivered via AWS CloudFront with adaptive streaming for consistent playback on any device. 10K+ QR codes generated. Video completion rate 89%. Engagement 5x over static QR.

EDUCATION

BS Information Technology | GPA 3.40 / 4.00

Government College University, Faisalabad | Jun 2019 - Aug 2023