

MUHAMMAD UMAIR TUFAIL

Senior Full-Stack Engineer · Laravel / PHP & AI-Integrated Systems · 4+ Years SaaS & Enterprise Delivery
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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 4+ years shipping 50+ production SaaS platforms, including multitenant systems and AI-integrated backends across fintech, logistics, domain and hosting, HR tech, e-commerce, and travel for clients across Canada, UAE, Qatar, and the US. Combines deep Laravel and PHP expertise with hands-on AI engineering, RAG pipelines, and LLM-integrated systems, while leading and mentoring engineering teams on architecture and delivery.

PROFESSIONAL EXPERIENCE

Navicosoft

Lahore, Pakistan

Senior Full-Stack Developer (TALL Stack Developer)

Mar 2025 – Present

- Own backend architecture and technical delivery for multi-tenant SaaS platforms serving thousands of concurrent tenants, coordinating daily with product, compliance, and registry and payment partners.
- Lead a team of backend engineers through architecture, code review, and mentoring, acting as primary technical point of contact for cross-functional stakeholders.
- Own delivery end to end, from requirements and sprint planning through deployment and post-release support, optimizing MySQL and API performance to sub-100ms response times under peak load.

Tech Joint Solutions

Remote

Senior Software Engineer

Sep 2024 – Mar 2025

- Led backend development for scalable SaaS and enterprise applications using Laravel and modern API architectures, taking ownership of cloud deployments on AWS and production environments.
- Owned AWS infrastructure end to end (EC2, S3, CloudFront, Route 53), provisioning and scaling environments independently, and built CI/CD pipelines that cut release cycles from hours to minutes.
- Ran the team's code review process, requiring pull request approval before any merge, and paired engineers on tricky real-time and concurrency-sensitive features.
- Introduced AI-assisted development workflows across the team, mentoring engineers and increasing delivery velocity.

Junior Software Engineer

Sep 2022 – Sep 2024

- Worked on backend development for web and SaaS applications using Laravel, PHP, and Node.js, assisting in building REST APIs, database structures, and core business logic.
- Collaborated with senior engineers on feature development, bug fixing, and performance improvements while gaining hands-on experience with production systems and cloud deployments.
- Worked directly with site managers and operations stakeholders to translate on-ground field workflows into digital tools, gathering requirements independently and delivering features within sprint cycles.
- Optimized MySQL queries and backend logic, improving system reliability and cutting manual reporting overhead for field teams.

PROJECTS

Domain & Hosting Platform

Laravel, React, Verisign & CentralNic APIs, WHMCS, OpenID Connect, AI, Crypto Payments

Architected a multi-hierarchy domain reseller and registry platform integrating directly with Verisign and CentralNic under ICANN rules, with AI-driven domain search, a multi-method payment stack including crypto, and a custom multi-tenant SSO (Master IDP) unifying authentication across WHMCS, reseller, and HR platforms.

Lumenia CRM • lumeniacrm.com

Laravel, React, MySQL, Redis

Independently architected an AI-powered lead-to-revenue CRM for outbound sales teams, featuring an AI prospecting engine, a Twilio-based softphone dialer with automatic call logging, and AI-configurable auto-responders that qualify inbound leads into the pipeline.

RAG-Powered WhatsApp Commerce Assistant

Gemini, Vector Database, Laravel (TALL Stack)

Built a Gemini-based RAG chatbot for WhatsApp backed by a vector database over a client's product catalog, checking live inventory, placing orders, generating invoices, and issuing account credentials automatically for a fully automated inquiry-to-checkout flow.

Construction Site Progress & Approval Platform

Built a dashboard letting on-site laborers log photo-verified completion percentages for site manager approval, with OpenAI Whisper voice-to-text letting field staff navigate the app hands-free using spoken commands.

911 Limo

Full-Stack, WebSockets, Geolocation APIs, AWS

Architected the backend and AWS infrastructure for a peer-to-peer ride-sharing platform with live location tracking, real-time in-app chat, and dynamic fare sharing. The platform carried live production traffic during the FIFA World Cup 2026.

INDUSTRIES & NICHES SERVED

Sector	Selected Projects
Domain, Hosting & Identity	Domain & Hosting Platform, including NWHMCS and Master IDP SSO (Navicosoft)
Logistics & Dispatch SaaS	SaaS Trucking Management & Dispatch System (Canada), Ezanias TMS
Ride-Sharing & Mobility	911 Limo, live during FIFA World Cup 2026
E-commerce & Retail	Vendor Shendor, Medaan, RAG-Powered WhatsApp Commerce Assistant
HR Technology	Horilla HR Platform Customization (open-source Django HR system)
EdTech	Knowroo Learning Management System
Travel & Tourism	Hot Air Balloon & Tour Booking Platform, Dubai; flight and hotel booking integration via Amadeus API
Enterprise ERP	Air Ideal
Sales & CRM Automation	Lumenia CRM
Construction & Field Operations	Construction Site Progress & Approval Platform with Whisper voice navigation

KEY ACHIEVEMENTS

- Independently designed and built Lumenia CRM, a live multi-tenant SaaS product with paying customers across multiple countries.
- Delivered 50+ production platforms for clients across Canada, UAE, Qatar, and the US, including direct, first-party integration with Tier-1 domain registries (Verisign, CentralNic) under ICANN compliance.
- Acts as primary technical point of contact for international clients, from requirements gathering through architecture, deployment, and ongoing support, while leading and mentoring engineering teams in parallel.

TECHNICAL SKILLS

- Core:** PHP, Laravel (TALL Stack), MySQL, RESTful APIs, MVC Architecture, Multi-Tenant Systems, RBAC
- Frontend:** React.js, Inertia.js, Livewire, Alpine.js, Blade, Tailwind CSS, JavaScript
- AI & Automation:** OpenAI API (incl. Whisper), Claude API, Gemini, LangChain, RAG Pipelines, Vector Databases, FastAPI, Django (Horilla), LLM-Integrated Chat & Voice Systems
- Real-Time & Integrations:** Socket.io, Twilio, Pusher, Firebase, Stripe, PayPal, QuickBooks, Cryptomus, Blockonomics, Google Places API, Verisign/CentralNic Registry APIs, Amadeus
- Cloud & DevOps:** AWS (EC2, S3, CloudFront, Route 53, Lightsail, Amplify), cPanel/WHM, Redis, CI/CD, Linux, Git

EDUCATION

ADP Computer Science, Superior University, Lahore, Pakistan

BSCS, Virtual University of Pakistan