

USMAN AHSAN PERVEZ

Full-Stack Developer — MERN · Next.js · Node.js · React

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PROFESSIONAL SUMMARY

Full-stack developer with 4+ years of professional software experience, including technical-lead delivery of MERN and Next.js applications for US and UK clients and, currently, real-time simulation software at a flight-training-device manufacturer. Builds server-side-rendered, microservices-based products and ships them with Docker, Kubernetes and CI/CD on AWS; also delivers e-commerce (Shopify, Amazon, eBay), technical SEO and AI-assisted development. Remote-work experience with UK clients since 2021. BS in Electrical & Electronics Engineering (FAST-NUCES). Based in Pakistan (UTC+5) with full overlap of Malaysia/Singapore and Gulf business hours; open to full-time, part-time and contract roles.

CORE SKILLS

Frontend: React, Next.js (SSR), JavaScript/TypeScript, HTML5, CSS3, Bootstrap, Tailwind CSS

Backend: Node.js, Express, REST APIs, microservices architecture, PHP, Laravel

Databases: MongoDB, SQL

DevOps & Cloud: AWS, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Jenkins)

AI Tooling: AI-assisted development workflows, LLM API integration, prompt engineering

E-commerce & Analytics: Shopify, Amazon, eBay, technical SEO, Google Analytics 4, Tag Manager, Core Web Vitals

Other Languages: C++, Rust, Lua, Solidity

PROFESSIONAL EXPERIENCE

Flight Simulation Software Engineer

Feb 2025 – Present

FSDC AeroSolutions — flight training device manufacturer, Rawalpindi, Pakistan

- Develop software for full-motion 6-DOF flight simulators in C++, Rust and Lua, integrating real-time hardware (motion platforms, control loading, avionics, Varjo XR) through the SimConnect API with Prepar3D.
- Apply full-stack skills to internal simulator tooling, dashboards and telemetry visualization (Node.js, React).
- Work across the hardware/software boundary — IO mapping, interface validation and TCP/UDP telemetry — bringing systems-level rigor to application development.

Full-Stack Developer & Technical Lead

Mar 2024 – Feb 2025

Apex IT Solutions — software agency, Rawalpindi, Pakistan (US & UK clients)

- Led end-to-end delivery across the full software development life cycle for an international (US/UK) client base, translating business requirements into scalable, fault-tolerant architectures.
- Built high-performance, server-side-rendered web applications on the MERN stack (MongoDB, Express, React, Node.js) and Next.js, engineered for high traffic with sub-second latency.
- Designed microservices architectures that let client products scale modules independently as usage grew.
- Shipped and operated products on AWS with Docker containers, Kubernetes orchestration and automated CI/CD (GitHub Actions, Jenkins) for zero-downtime releases.
- Applied AI-assisted development across the stack to accelerate delivery, prototyping and code review.
- Mentored a team of developers and designers, set code-quality, security and architectural standards, and managed projects to budget and timeline.

Web Developer & E-commerce Specialist

Jan 2023 – Mar 2024

Apex Marketings — digital agency, Islamabad, Pakistan (clients in Pakistan, UK, US)

- Developed responsive websites and web applications with React, JavaScript, PHP/Laravel, HTML/CSS and Bootstrap — including e-commerce stores, NFT marketplaces, portfolio sites and company catalogs.

- Delivered web projects from five-page brochure builds to custom e-commerce, meeting Core Web Vitals and technical SEO standards.
- Built and managed e-commerce storefronts across Shopify, Amazon and eBay, with inventory automation and multi-payment-gateway setup.
- Implemented Google Analytics 4 and Tag Manager tracking for measurable, ROI-driven campaigns; maintained 100% on-time delivery across time zones.

Technical Support & Developer

Nov 2021 – Dec 2022

NovTek — technology services company, UK (remote)

- Provided remote technical support and software development for UK clients, diagnosing and resolving application issues and shipping fixes and small features on web products.
- Maintained SQL databases, supported deployments and documented recurring fixes while coordinating directly with clients across UK business hours.

ADDITIONAL EXPERIENCE

- **Technical Assistant — Pakistan Television Corporation, Islamabad · Jun – Aug 2022:** operated and maintained broadcast transmission equipment and video/audio control systems for live national coverage, including the Commonwealth Games 2022 and the Pakistan vs Sri Lanka cricket series.

EDUCATION & CERTIFICATIONS

BS, Electrical & Electronics Engineering

2017 – 2021

FAST-NUCES (National University of Computer and Emerging Sciences), Islamabad

Web 3.0 & Metaverse Developer (Certification)

2022 – 2023

Panaverse

LANGUAGES

English (professional working proficiency) · Urdu (native)