

USMAN AHSAN PERVEZ

Blockchain & Web3 Developer — Solidity · Ethereum · Web3.js · Full-Stack DApps

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PROFESSIONAL SUMMARY

Panaverse-certified Web3 developer who architected a counterfeit-product-detection system on Ethereum — smart contracts plus encrypted QR verification — and writes gas-optimized Solidity for fintech and supply-chain DApps. Built complete DApps end to end as technical lead at a software agency: React/Next.js front ends, Node.js services, Web3.js integration and NFT marketplaces, deployed via Docker, Kubernetes and CI/CD on AWS. Cryptocurrency-market consulting for a UK trading firm (2021–2023) adds domain depth, and current real-time C++ simulation work adds systems-level rigor. 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

Blockchain & Web3: Solidity, Ethereum, smart-contract design and gas optimization, Web3.js, DApp architecture, NFT marketplaces, encrypted QR verification systems

Full-Stack: React, Next.js (SSR), Node.js, Express, MongoDB, REST APIs, microservices

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

Domain Knowledge: Cryptocurrency markets, supply-chain transparency, fintech DApps

Other Languages: JavaScript/TypeScript, C++, Rust, Lua, PHP, SQL

PROFESSIONAL EXPERIENCE

Flight Simulation Software Engineer

Feb 2025 – Present

FSDC AeroSolutions — flight training device manufacturer, Rawalpindi, Pakistan

- Develop real-time software for full-motion 6-DOF flight simulators in C++, Rust and Lua — systems-level engineering depth behind smart-contract and protocol work.

Full-Stack Developer & Technical Lead

Mar 2024 – Feb 2025

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

- Drove research and delivery in decentralized technologies for a software agency serving US and UK clients.
- Architected a counterfeit-product-detection system using Ethereum smart contracts with encrypted QR verification, addressing supply-chain transparency end to end.
- Wrote and audited gas-optimized Solidity smart contracts for fintech and supply-chain DApps.
- Built DApp front ends and services on React/Next.js and Node.js with Web3.js integration.
- Implemented blockchain components in client software solutions, improving security and operational efficiency.
- Deployed and operated Web3 products on AWS with Docker, Kubernetes and automated CI/CD.

Web Developer & E-commerce Specialist

Jan 2023 – Mar 2024

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

- Designed and implemented NFT marketplaces, e-commerce stores and client websites with React, JavaScript and PHP/Laravel.
- Automated delivery workflows and implemented analytics (Google Analytics 4, Tag Manager) across an international client portfolio.

Technical Support & Developer

Nov 2021 – Dec 2022

NovTek — technology services company, UK (remote)

- Provided remote technical support and software development for UK clients, including issue resolution, SQL database upkeep and small feature work.

ADDITIONAL EXPERIENCE

- **Cryptocurrency Consultant — IR Trades, UK (remote)** · Dec 2021 – Aug 2023: provided market guidance, consulting and account management for a UK cryptocurrency trading firm alongside development roles.

SELECTED PROJECTS

- **Counterfeit Product Detection on Blockchain** — Ethereum smart contracts with encrypted QR verification for tamper-proof supply-chain authentication; gas-optimized Solidity.
- **NFT Marketplaces & Web3 Storefronts** — React front ends with Web3.js wallet integration, delivered for agency clients alongside conventional e-commerce builds.

EDUCATION & CERTIFICATIONS

BS, Electrical & Electronics Engineering FAST-NUCES (National University of Computer and Emerging Sciences), Islamabad	2017 – 2021
Web 3.0 & Metaverse Developer (Certification) Panaverse	2022 – 2023

LANGUAGES

English (professional working proficiency) · Urdu (native)