Noman Malik

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SUMMARY

Full-stack Software Engineer with 6+ years' experience building scalable web and blockchain applications using Node.js, React, NestJS, and Solidity and specialising in microservice architecture, cloud-native deployments (AWS/Docker/Kubernetes), and Web3 ecosystems. Passionate about delivering secure, performant, and user-centric solutions.

EDUCATION

BSCS   09/2017 – 08/2021
GCG   Lahore, Pakistan

PROFESSIONAL EXPERIENCE

Senior Backend Engineer   11/2025 – Present
Unduit

- Architect **RESTful APIs**, background workers, and service-to-service communication with best practices in security, performance, and reliability.
- Optimize application performance through efficient database queries, caching strategies, queue systems, and service optimizations.
- Collaborate on long-term architectural planning including microservices migration, refactoring legacy systems, and improving code quality.
- Participate in sprint planning, estimations, and technical roadmap discussions, ensuring timely delivery of complex backend features.
- Advocate for automation, performance testing, and continuous improvements in both development practices and system design.

Senior Software Engineer   07/2022 – 10/2025
Developer Studio

- Migrated monolithic architecture to microservices using Node.js and Docker, reducing deployment time by 60% and improving scalability.
- Refactored legacy codebases and implemented Redis caching, resulting in 30% faster API responses.
- Designed secure auth flows using OAuth2.0 and encrypted sensitive data, reducing security incident risk.
- Reduced AWS costs by 20% by optimising compute usage and database queries.
- Led internal security audits and code reviews, identifying vulnerabilities and enforcing industry best practices.

Software Engineer   01/2022 – 07/2022
TecHive Solutions

- Built and maintained custom CMS and e-commerce platforms using **Laravel** (backend) and **Vue.js** (frontend), tailored to various client domains.
- Integrated multiple payment gateways (Stripe, PayPal, local options) and third-party inventory systems to streamline client transactions.
- Developed responsive, SPA-style UIs using Vue.js, enhancing usability and improving **user engagement by 25%** based on analytics.
- Conducted code reviews and performance tuning across multiple client projects, resulting in **20% faster page load times** on average.
- Actively collaborated with clients and designers to translate business needs into scalable technical features.

Full Stack PHP developer   12/2019 – 12/2021
WTechSols

- Engineered full-stack web applications using **PHP** and **Laravel**, with dynamic user-facing features and secure backends.
- Implemented efficient SQL queries and caching mechanisms (Redis), improving server-side load performance by **30%**.
- Built and integrated custom plugins and payment gateways to support diverse business logic and regional payment flows.

- Collaborated with UI/UX designers to align frontend views with backend APIs, ensuring seamless cross-functional delivery.
- Debugged and maintained legacy PHP projects, reducing technical debt and increasing maintainability across the codebase.

SKILLS

- Typescript
- Node.js
- React.js
- Vue.js
- Nest.js
- Rust
- PHP/Laravel
- Solidity
- PostgreSql
- MongoDB
- Redis
- Docker
- Kubernetes
- Git
- Kafka
- AWS Cloud Computing
- Microservices
- System Design
- Solana/Ethereum

PROJECTS

E-Commerce Pet Store
Laravel, Vue.js, MySql
- Created a multi-vendor platform for buying/selling pets, booking trainers, and purchasing pet supplies.
- Implemented payment gateway integration, cart system, and user dashboard.
- Developed an admin panel to manage users, orders, and product listings.

WEB3 Audio player
Solana, Rust, React
- Built a Spotify-like audio streaming dApp where artists retain full ownership and control of their content.
- Integrated Solana blockchain for decentralised data storage and tokenised access.
- Implemented Rust-based smart contracts and audio file NFT minting.

Hospital Management system
Laravel, Vue.js, Postgres
- Developed a HIPAA-compliant platform for managing patient records, appointments, and prescriptions.
- Implemented secure login, real-time notifications, and role-based access (admin, doctor, patient).
- Integrated PostgreSQL for structured data storage and reporting.

Lawyer App
Node.js, Vue.js, MongoDb
- Created a platform for users to hire lawyers based on category, ratings, and availability.
- Developed appointment scheduling, case tracking, and real-time chat functionality.
- Used MongoDB for flexible case data storage and retrieval.

NFT Marketplace
Laravel, Vue.js, MongoDB
- Developed an NFT trading platform with fiat and crypto purchase support.
- Integrated MetaMask wallet, Ethereum smart contracts, and dynamic NFT listing features.
- Implemented secure APIs for minting, listing, and purchasing NFTs.

Decentralyzed KYC
Ethereum, Node.js, Vue.js, MongoDb
- Built a blockchain-based KYC identity system, issuing unique identity tokens to users.
- Developed smart contracts to enable selective disclosure of user data.
- Ensured data privacy using encryption and zero-knowledge proof patterns.

HRM
Laravel, Vue.js, MySql
- Engineered a web platform for HR to manage employee data, payroll, and attendance.
- Created dashboards for HR/admins and integrated Excel exports and reports.
- Implemented authentication, role-based access, and CRUD APIs.

Crypto Wallet
Vue.js Node.js
- Built a multi-chain crypto wallet supporting transactions on **Polygon** and **Solana**.
- Developed UI for sending/receiving assets and integrated Web3.js for wallet connections.
- Implemented transaction history, QR scanner, and basic portfolio tracking.

CERTIFICATES

- Microservices With Node.js and React.js (Coursera, 2024)
- AWS Certified Developer (Amazon, 2024)
- Systems Design (Independent, 2023)
- Meta Advanced React (Coursera, 2023) 🔗
- IBM Containerization with Docker and K8 (Coursera, 2023) 🔗

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