

Afzal Imdad

Full Stack Developer | Blockchain & Smart Contract Engineer | Web3, Mobile & AI/LLM Integration

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience building Web3 and SaaS products with React, Next.js, React Native, Node.js, NestJS, TypeScript, and Solidity. Ships features end to end, designs REST APIs and PostgreSQL data layers, and builds NFT marketplaces, DeFi tools, and token-gated platforms that give users secure, reliable access to blockchain functionality. Also integrates AI/LLM capabilities, ships mobile apps, writes automated tests to protect release quality, deploys with AWS, Docker, and CI/CD, and brings technical planning and vendor coordination experience to keep releases on schedule.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Rust, Solidity, PHP, SQL, HTML5, CSS3, Bash/Shell

Frontend: React.js, Next.js (App Router), React Native, Redux, Zustand, TanStack Query, React Hook Form, Zod, Tailwind CSS, Chakra UI, Material UI, Emotion, Framer Motion, GSAP, Three.js, Webpack, Vite, jQuery, Webflow, Responsive Design, Accessibility (WCAG)

Mobile: React Native, Expo, iOS & Android, Cross-Platform Mobile Development, Mobile UI/UX, REST API Integration, Push Notifications, App Store & Google Play Deployment

Backend: Node.js, Express.js, NestJS, Fastify, CodeIgniter, REST APIs, GraphQL, tRPC, WebSockets, Socket.IO, Microservices, Prisma, Drizzle ORM, TypeORM, Mongoose, Swagger/OpenAPI, Stripe API

Blockchain & Web3: Solidity, Hardhat, Foundry, OpenZeppelin, Ethers.js, Viem, Wagmi, web3.js, RainbowKit, WalletConnect, MetaMask, Ethereum, EVM Chains, Polygon, Solana, Concordium, ERC-20, ERC-721, ERC-1155, IPFS, The Graph, Chainlink, DeFi, DEX/AMM, NFT Marketplaces, Smart Contract Testing, Smart Contract Security

AI & LLM: LangChain, OpenAI API, Claude API (Anthropic), Model Context Protocol (MCP), Claude Code, Retrieval-Augmented Generation (RAG), Prompt Engineering, Vector Databases, Stable Diffusion, Hugging Face

Databases: PostgreSQL, MySQL, MongoDB, Redis, Firebase, Supabase, SQLite, SQL, AWS DynamoDB

Cloud & DevOps: AWS (EC2, S3, Lambda), Google Cloud Platform (GCP), Microsoft Azure, Docker, Podman, Kubernetes, Terraform, GitHub Actions, CI/CD, Vercel, Cloudflare, Serverless, Nginx, Linux (Ubuntu)

Testing: Jest, Vitest, Mocha, Chai, Cypress, Playwright, React Testing Library, Supertest, Hardhat & Foundry Smart Contract Tests, Unit Testing, Integration Testing, End-to-End (E2E) Testing, API Testing, TDD

Security: Authentication & Authorization, JWT, OAuth 2.0, Role-Based Access Control (RBAC), OWASP Top 10, Token-Gated Access, Input Validation, Rate Limiting

Tools & Practices: Git, GitHub, Postman, Figma, Jira, Linear, Agile/Scrum, Code Review, Technical Planning, Project Management, Vendor Management, Stakeholder Communication

PROFESSIONAL EXPERIENCE

Full-Stack Developer | Zenveus | Karachi, Pakistan

Sep 2024 – Aug 2026

- Delivered full-stack features end to end across a React/Next.js frontend and a Node.js/TypeScript backend, shipping on schedule without sacrificing code quality.
- Led technical planning for major feature phases by scoping requirements, sequencing work, and mapping dependencies and resources, keeping releases on track toward launch goals.
- Negotiated integration and delivery terms directly with external vendors and contractors, so third-party services were integrated on time and matched product needs.
- Wrote automated unit and integration tests for new features to catch regressions before release and keep deployments stable.

Project Manager | Cubicus.io | Karachi, Pakistan**Dec 2023 – Feb 2024**

- Kept client projects on track from initial scoping to final handoff by coordinating engineering, design, and stakeholder sign-off.
- Built multi-phase roadmaps with clear milestones and flagged resourcing gaps early, before they became blockers.
- Negotiated scope and terms with third-party vendors and contractors to hold deliverables to schedule and budget.

Full Stack Engineer | Cubicus.io | Karachi, Pakistan**Jan 2023 – Aug 2024**

- Designed and built scalable REST APIs with NestJS that powered multiple client-facing applications.
- Collaborated on architecture decisions, code reviews, and debugging across the full stack to keep releases stable.
- Optimized performance and reliability across the frontend, backend, and PostgreSQL layers.

Full-Stack Developer | OneGrid | Remote**Dec 2022 – Oct 2023**

- Built the scalable Node.js backend for OneGrid.me, a Web3 community platform, enabling NFT management, secure authentication, and token-gated content access.
- Reviewed pull requests and debugged production issues to keep the application stable.

Frontend Developer | Senseflow Pvt Ltd | Karachi, Pakistan**Dec 2020 – Jan 2021**

- Built cross-browser, cross-device features with HTML, CSS, and JavaScript in a Scrum workflow so the product worked consistently for all users.
- Wrote and ran unit tests to catch defects before release.

PROJECTS

- **NoshNFT** – Built an NFT marketplace where users can buy and sell NFTs securely, with a Solidity smart contract handling trades, a Next.js App Router frontend, an Express.js API, and a PostgreSQL data layer deployed on AWS EC2. *Tech: Solidity, Next.js, Express.js, PostgreSQL, AWS EC2, web3.js.*
- **OneGrid.me** – Gave Web3 communities one dashboard to manage NFTs, restrict content to token holders, and engage members, instead of juggling separate tools. *Tech: Node.js, Next.js, React.js, web3.js.*
- **Arbitrage Trading Bot** – Captured cross-exchange token price gaps by buying a token with USD and selling it on another exchange within a single transaction, targeting a 5% profit. *Tech: Solidity, Node.js, Next.js, web3.js.*
- **PulseGenesis** – Let users securely connect to decentralized apps, view NFTs, swap tokens, and farm on DeFi protocols from a single interface. *Tech: Next.js, React.js, Node.js, web3.js, Firebase.*
- **Pixpel.io** – Contributed as Full Stack Developer to a DEX and NFT platform on the Concordium blockchain while ramping up on Rust and blockchain development. *Tech: Rust, Solidity, Next.js, Node.js, web3.js.*
- **Towel Manufacturing Association Message Center (Mobile App)** – Built a cross-platform React Native mobile app with a Node.js/Express.js backend, giving association members a private channel to receive new business queries on their phones, with access restricted exclusively to verified TMA members. *Tech: React Native, React, JavaScript, Node.js, Express.js.*
- **ScriptMatix** – Led the frontend of an NFT marketplace with auction management, giving buyers and sellers a clearer, more engaging experience. *Tech: Next.js, React.js, Solidity, web3.js.*
- **LinkDrip (linkdrip.com)** – Led frontend development for a URL shortening platform so users can create and manage links through a clean, efficient interface, with Stripe-powered billing. *Tech: React, Next.js, Chakra UI, Emotion, Stripe, AWS, Cloudflare, Webpack, Webflow.*
- **Tiny Kiwi (tinykiwi.io)** – Led major frontend initiatives for an online photo editor and built its snapshot feature, improving system reliability and the editing experience. *Tech: Next.js, React.js, Node.js, JavaScript.*
- **Invest Powerlabs (Investdex.io)** – Built a Web3 platform that connects founders with investors, engineers, academics, and industry experts in one ecosystem. *Tech: Next.js, React.js, Node.js, web3.js.*
- **RichAI (richai.vercel.app)** – Built an AI image generator and voice GPT assistant with a crypto chatbot and talking avatar for more natural conversations. *Tech: Next.js, Python, Stable Diffusion, NLP.*
- **PAAPAM B2B Marketplace** – Gave Pakistan's automotive parts and accessories manufacturers an online B2B marketplace for the Pakistan Association of Automotive Parts & Accessories Manufacturers. *Tech: PHP, CodeIgniter, jQuery, Webpack, JavaScript.*

- **Payglo.io** – Implemented payment gateway integrations so customers can pay online securely. *Tech: Next.js, Node.js, Rust, Stripe.*
- **Summare.ai** – Built a central content hub that keeps AI enthusiasts, researchers, and professionals current on fast-moving AI developments. *Tech: Next.js, React.js, Solidity, Ethereum.*
- **Tarot Cards** – Built an online tarot reading service that offers visitors three free readings on any question. *Tech: Next.js, Three.js, Stripe.*

EDUCATION

Secondary School Cerification (Matriculation), Science | Sindh Board, Karachi, Pakistan 2024– 2026

CERTIFICATIONS

Anthropic: Building with the Claude API; Claude Code in Action; Introduction to Model Context Protocol; Introduction to Agent Skills; Introduction to Claude Cowork; AI Fluency Framework & Foundations; Claude 101; Claude Code 101

freeCodeCamp: Responsive Web Design; JavaScript Algorithms and Data Structures; Front End Development Libraries; Data Visualization

HackerRank: Frontend Development using React

LANGUAGES

Urdu – Native | English – Fluent (Professional Working Proficiency)