

ABDULLAH SHEIKH

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PROFESSIONAL SUMMARY

Full-Stack Engineer with **5+ years** of experience building production-grade Web2 and Web3 systems — from AI-powered SaaS platforms and HIPAA-compliant healthcare applications to DeFi exchanges, NFT marketplaces, and custom smart contracts. Delivered **15+ projects** for international clients across North America, Europe, and South-east Asia, consistently owning the full cycle: architecture, development, deployment, and security. Core stack: **React, Next.js, Node.js, Python, TypeScript, Solidity, PostgreSQL, and AWS/OCI** — with hands-on experience in OpenAI API integration, LangChain, smart contract auditing, CI/CD pipelines (GitHub Actions), Docker, and workflow automation (N8N, Puppeteer). **ISC² Certified in Cybersecurity (CC)** holder and **McKinsey Forward Program** alumnus with **C2 Proficient English** and 30+ certifications spanning AI, blockchain, cloud, and cybersecurity. Equally effective as a **solo engineer** who ships end-to-end or as a **team lead** — currently founding the Global IT Professionals Forum and independently developing an AI-integrated Hospital Management System.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES2022+), TypeScript, Python, PHP, Solidity, C, C++, SQL, HTML5, CSS3/SASS
- **Frontend:** React.js, Next.js, Redux, React Native, Tailwind CSS, MUI, Bootstrap, Framer Motion, Vite, PWA
- **Backend:** Node.js, Express.js, Socket.io, Flask, Laravel, Nginx, RESTful APIs
- **Blockchain / Web3:** Solidity, Ethers.js, Web3.js, Hardhat, OpenZeppelin, Moralis, Truffle · Smart Contracts, NFTs, DeFi, STOs, Crypto Wallets
- **Databases & ORM:** MongoDB, PostgreSQL, MySQL, Prisma, Amazon DynamoDB
- **Cloud & DevOps:** AWS (EC2, S3, IAM), Oracle Cloud (OCI), Docker, Portainer, Nginx Proxy Manager, Apache
- **CI/CD:** GitHub Actions, Docker-based Pipelines, Automated Deployments, Environment-based Config Management
- **AI / ML:** OpenAI API, LangChain, Deep Learning, Pandas, NumPy, Whisper/fine-tuned ASR, TTS Integration
- **Automation:** N8N, Puppeteer, Selenium, GoHighLevel, FFmpeg
- **Security:** Penetration Testing, Ethical Hacking, OSINT, Smart Contract Auditing, Burp Suite, OWASP ZAP, Wireshark, NMAP

PROFESSIONAL EXPERIENCE

Full-Stack, AI & Blockchain Developer (Freelance)

Apr 2023 – Present

Upwork & LinkedIn

Remote

- Delivered **15+ client projects** spanning AI/ML integration, blockchain/Web3, full-stack applications, and process automation for clients across North America, Europe, and Southeast Asia.
- Built a custom **Singlish speech-to-text system** with fine-tuned Whisper models, achieving **90%+ transcription accuracy** on a non-standard dialect.
- Engineered a cryptocurrency exchange algorithm for BTC/ETH that reduced gas fees by **optimising transaction batching** over a 12-month production cycle.
- Architecting an **Integrated Hospital Management System (IHMS)** with AI-powered clinical transcription — owning full-stack development, PostgreSQL + Prisma schema design, and third-party system integration.
- Designed end-to-end **content automation pipelines** (N8N + Puppeteer + OpenAI + FFmpeg) powering fully autonomous YouTube and Instagram channels.
- Self-host and manage production infrastructure on Oracle Cloud (OCI) using Docker, Portainer, Nginx Proxy Manager, and GitHub Actions CI/CD pipelines.
- *Key stack:* React, Next.js, Node.js, Python, TypeScript, Solidity, OpenAI API, LangChain, PostgreSQL, Prisma, N8N, Puppeteer, Docker

Full-Stack Blockchain Developer

Mar 2023 – Aug 2024

Progneo PVT Limited

Rawalpindi, Pakistan

- Sole engineer on **Progneo AI** — an AI SaaS platform offering 6 integrated tools (Writer, Voiceover, Chatbot, Image Generator, Transcriber, Code Generator) that reached **500+ active users**.
- Built **Off Chain Yields**, a blockchain investment marketplace with NFT-backed purchase guarantees and audited smart contracts.
- Developed **AuditsIQ**, enabling on-chain storage and verification of blockchain audit reports.
- Wrote and security-audited custom smart contracts for **STOs, NFTs, and ERC-20 tokens**; integrated OpenAI and Google TTS APIs across multiple products.
- *Key stack:* React, Next.js, Laravel, Solidity, Ethers.js, PostgreSQL, OpenAI, Google TTS, Tailwind CSS, Redux

Blockchain & MERN Stack Developer

Sep 2022 – Mar 2023

Web3Solution

Rawalpindi, Pakistan

- Led development of **EMR Chains**, a **HIPAA-compliant** blockchain Electronic Medical Records system giving patients full control over data sharing.
- Designed smart contract architecture with **role-based access control** and gas optimisation; conducted formal security audits before mainnet deployment.

– Key stack: *React, Node.js, MongoDB, Express.js, Solidity, Hardhat, Web3.js, Ethers.js, Moralis, Bootstrap*

Blockchain Developer

Dec 2022 – Aug 2023

We Always Tech

Islamabad, Pakistan (Remote)

- Implemented **BTC/ETH transfer functionality** with optimised gas-fee management and secure multi-wallet integration for a live cryptocurrency exchange.
- Key stack: *Solidity, Web3.js, Ethers.js, Node.js*

KEY PROJECTS

Progneo AI Platform

PHP, Laravel, MySQL, OpenAI, Google TTS, Tailwind CSS

- Full-stack AI SaaS with 6 tools, job-queued scheduled generation, and subscription management — **500+ active users**.

EMR Chains – Blockchain Healthcare

MERN, Solidity, Hardhat, Moralis, Ethers.js, Bootstrap

- HIPAA-compliant decentralised EMR: patient-controlled records, on-chain audit trail, role-based smart contracts.

Off Chain Yields

React, Next.js, Solidity, Ethers.js, PostgreSQL

- Blockchain investment marketplace with NFT-backed purchase guarantees; created and deployed audited smart contracts.

AuditsIQ

React, Solidity, Web3.js, Node.js

- On-chain storage and verification platform for blockchain audit reports; smart contract security focus.

Integrated Hospital Management System (IHMS)

Next.js, Node.js, PostgreSQL, Prisma ORM, OpenAI

- In development: AI-powered specialist transcription, automated workflows, and modular PostgreSQL/Prisma schema for multi-department hospital operations.

Automated Content Platforms

Python, N8N, Puppeteer, OpenAI, FFmpeg

- Zero-touch [YouTube](#) and [Instagram](#) channels: AI scriptwriting, TTS voiceover, FFmpeg video assembly, scheduled publishing — no manual intervention required.

EDUCATION

B.Eng. – Computer Software Engineering

Aug 2025 – Expected Nov 2029

Virtual University of Pakistan

In Progress

Intermediate – Business / Commerce

Dec 2022 – Sep 2024

Board of Intermediate and Secondary Education, Rawalpindi

Secondary School Certificate – Science

Aug 2020 – Aug 2022

Manaar Public School

Grade: 82%

CERTIFICATIONS & TRAINING

 [View all certifications](#) (40+ total):

Flagship (selective / exam-based):

- **Meta Front-End Developer (Professional Certificate)** — Meta *Jul 2026*
9-course professional program preparing learners for an entry-level front-end developer career, comprising: Introduction to Front-End Development, Programming with JavaScript, Version Control, HTML and CSS in depth, React Basics, Advanced React, Principles of UX/UI Design, Front-End Developer Capstone, and Coding Interview Preparation.
- **Aspire Leaders Program** — Aspire Institute *Apr 2026*
Selective global leadership programme by Harvard-affiliated Aspire Institute; focused on leadership, social impact, and professional development.
- **ISC² Certified in Cybersecurity (CC)** — ISC² *Nov 2025*
Globally accredited cybersecurity exam by the world's largest nonprofit IT security organisation.
- **McKinsey Forward Program** — McKinsey & Company *Jul 2025*
Selective leadership programme focused on Problem Solving, Adaptability, and Communicating for Impact.
- **AWS Solutions Architect Knowledge Badge** — Amazon Web Services *Nov 2024*
Covers EC2, S3, IAM, and DynamoDB; issued via Credly.
- **EF SET English Certificate – C2 Proficient (78/100)** — EF SET *Oct 2024*
Highest CEFR level; standardised English proficiency exam.

Additional Certifications (selected from 40+ total):

- **Digital Literacy** — DigiSkills.pk (Mar 2026)
- **Creative Writing** — DigiSkills.pk (Mar 2026)
- **C++ Essentials 1** — Cisco (Nov 2025)
- **Introduction to Cybersecurity** — Cisco (Jun 2025)
- **Deloitte – Cyber Job Simulation** (May 2025)
- **Deloitte – Data Analytics Simulation** (May 2025)
- **Deloitte – Technology Job Simulation** (May 2025)
- **Business Development Internship** — Excelerate (Jan 2025)
- **Project Management Associate** — Excelerate (Jan 2025)
- **Innovation & Entrepreneurship** — Excelerate (Jan 2025)
- **AWS Knowledge: Architecting** — Credly/AWS (Nov 2024)
- **AWS Technical Essentials** — AWS (Oct 2024)
- **Figma UI/UX Complete Bootcamp** — Udemy (Oct 2024)
- **Python for OOP (A-to-Z)** — Udemy (Oct 2024)
- **React & Next.js** — Udemy (Oct 2024)
- **Frontend Developer** — Interns School (Dec 2022)
- **Digital Garage Certificate** — Google (Sep 2022)
- **Introduction to CIP** — OPSWAT Academy (Nov 2024)
- **Crypto Masterclass** — Udemy (Oct 2024)

- [Professional Diploma in Web3, NFT & Smart Contracts](#) — Udemy (Oct 2024)
- [Executive Diploma in Business Administration](#) — Udemy (Oct 2024)
- [Google Soft Skills Program](#) — Google (Jul 2024–27)

LinkedIn Skill Assessments: [React](#), [React.js](#), [Node.js](#), [HTML](#)

ADDITIONAL EXPERIENCE

[Excelerate](#) — Business Development · Project Management · Innovation & Entrepreneurship *Jan – Feb 2025*

- Led a cross-border team to identify and research high-potential leads for **Grant Thornton China**.
- Organised an end-to-end hackathon in collaboration with international teammates.
- Produced market opportunity reports and strategic business proposals adopted by programme leadership.

AWARDS & ACHIEVEMENTS

- [PAFLA Member](#) (Pakistan Freelancers Association) — October 2024
- Deployed a live decentralised NFT marketplace at **age 16** using Solidity and React.
- Built a fully **code-native** AI personal assistant and social media automation framework — no external no-code services used.
- Active security researcher: ethical hacking, penetration testing, OSINT, and network traffic analysis.
- **40+ technical certifications** spanning AI, blockchain, cloud computing, cybersecurity, and business.