

Muhammad Saad Qasim

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PROFESSIONAL SUMMARY

Full Stack Developer and Web3 Engineer with 2+ years of professional experience shipping production applications across fintech, e-commerce, and blockchain domains. Proven track record delivering 9+ projects with 100% on-time completion for foreign clients. Skilled in MERN stack, smart contract development (Solidity · ERC-721 · ERC-20), and cloud-native deployment. Ethereum Developer Degree — LearnWeb3 Senior Level (642,000 XP). Currently building at Marfah Technologies while expanding into decentralized application architecture.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, NestJS, REST APIs, GraphQL, Socket.io, Prisma ORM

Blockchain & Web3: Solidity, Web3.js, Ethereum, ERC-20, ERC-721 (NFT), Smart Contracts, IPFS, Hardhat

Databases: PostgreSQL, MongoDB, MySQL, Redis

DevOps & Cloud: AWS (EC2, S3), Docker, GitHub Actions, CI/CD Pipelines, Vercel, Linux

Auth & Security: JWT, OAuth 2.0, RBAC, Multi-Factor Authentication (TOTP), Input Sanitization

Integrations: Stripe, PayFast, OpenAI API, Twilio, SendGrid, Google Authenticator

PROFESSIONAL EXPERIENCE

Web3 Developer Intern · Dafi Labs, Lahore · Remote

June 2026 – August 2026

- Developed and deployed smart contracts on Ethereum mainnet and testnets using Solidity and Hardhat.
- Contributed to DeFi protocol components including token staking, reward distribution, and on-chain governance modules.
- Built React + Web3.js frontend interfaces integrating directly with deployed smart contracts via MetaMask.
- Collaborated with senior blockchain engineers on contract auditing practices and gas optimization techniques.

Full Stack Developer · Marfah Technologies · Remote

January 2025 – Present

- Architect and maintain 3 production MERN stack applications serving active users across multiple client verticals.
- Engineered secure authentication systems using JWT and OAuth 2.0 with RBAC, reducing unauthorized access incidents to zero.
- Implemented real-time messaging and notification infrastructure with Socket.io, reducing message delivery latency by 40%.
- Designed and deployed CI/CD pipelines using GitHub Actions and Docker, cutting deployment time from 45 minutes to under 5 minutes — a 90% reduction.

Freelance Full Stack Developer · Self-Employed · Remote

November 2022 – Present

- Delivered 9+ end-to-end software projects — e-commerce platforms, analytics dashboards, and fintech tools — with 100% on-time delivery.
- Architected reusable Express.js and GraphQL microservices that reduced client integration time by 35%.
- Integrated Stripe and PayFast payment gateways and automated transactional messaging via Twilio and SendGrid.
- Embedded AI-powered features using the OpenAI API: document summarization, content generation, and conversational chatbots.

SELECTED PROJECTS

ERC-721 NFT Marketplace — Solidity · React · Web3.js · Hardhat · IPFS · Ethereum

- Built a fully decentralized NFT marketplace enabling minting, listing, buying, and transferring of ERC-721 tokens on Ethereum.
- Wrote and deployed Solidity smart contracts for NFT minting, ownership transfer, and marketplace escrow logic; tested with Hardhat.
- Stored NFT metadata on IPFS for censorship-resistant, decentralized asset hosting; integrated MetaMask for wallet-based authentication.

Decentralized Product Authenticity Tracker — Solidity · React · Web3.js · Ethereum

- Engineered a trustless supply chain verification system — manufacturers register products on-chain, buyers verify authenticity without a central authority.
- Wrote Solidity smart contracts handling product registration, multi-stage ownership transfer, and public on-chain verification.
- Built React + Web3.js frontend with zero backend dependency — all data reads directly from the Ethereum network.

Shariah-Compliant Microfinance Platform — React · Node.js · MongoDB · AWS S3

- Developed a loan management system for an Islamic finance institution with 3 user roles (admin, loan officer, borrower), each with isolated dashboards and permissions.
- Implemented Murabaha and Ijarah finance models with real-time automated profit and instalment recalculation on every input change.
- Integrated AWS S3 with server-side encryption for secure document storage; built a full audit log for regulatory compliance.

Secure Banking Portal — MERN Stack · TOTP MFA · Chart.js

- Engineered a banking dashboard with TOTP-based MFA via Google Authenticator — enforcing OTP verification on every login session.
- Built real-time transaction charts with date-range filtering and PDF/CSV export using Chart.js.
- Hardened application security with encrypted sessions, HTTP-only cookies, and comprehensive input sanitization.

Car Rental Marketplace — React · Express · TypeScript · PostgreSQL · Prisma

- Built an end-to-end rental platform with live availability checking, automated conflict resolution, and seamless booking and payment experience.
- Leveraged Prisma ORM with PostgreSQL for fully type-safe queries, catching critical data-shape bugs at compile time.
- Automated booking confirmations and calendar invites via SendGrid, triggering instantly on successful payment.

CERTIFICATIONS

- Ethereum Developer Degree — LearnWeb3 | Senior Level · 642,000 XP · 42 Lessons | August 2026 | learnweb3.io/u/SaadQasim/
- Smart Contract Security — Cyfrin Updraft | August 2026

EDUCATION

BS Computer Science · COMSATS University Islamabad, Attock Campus

2024 – 2028 (Expected)

CGPA: 3.32 / 4.00 · ORCID: 0009-0009-7653-8468 · Coursework: Data Structures, Algorithms, OOP, Database Systems, Software Engineering

ACHIEVEMENTS

- Web Development Hackathon Winner — COMSATS CodeFusion Society; placed 1st in web development track competing campus-wide.
- Open Source Contributor — Bug fix accepted and merged into Lottie-Web (millions of downloads); fix submitted to SnapCode (Dr. Jeremy Bradbury's SEER Lab, Ontario Tech University).
- Ethereum Developer Degree — LearnWeb3, Senior Level, 642,000 XP across 42 lessons (August 2026).
- Smart Contract Security — Cyfrin Updraft (August 2026).
- GitHub Developer Program Member (Pro).
- Active member, Google Developers Group On Campus — COMSATS Islamabad.
- 100% on-time delivery across all 9+ freelance software engagements.