

# Muhammad Saad Qasim

Full Stack Web Developer · MERN · TypeScript · Node.js · Next.js

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## PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with 2+ years of hands-on experience building production-grade web applications using the MERN stack, TypeScript, and Next.js. Delivered near 10 client projects spanning e-commerce, fintech, real-time dashboards, and AI integrations. Currently pursuing BS Computer Science at COMSATS University Islamabad (GPA 3.06) while actively seeking a software engineering internship at a high-growth tech company or startup. Expanding into Web3/Solidity and blockchain-based application development.

## TECHNICAL SKILLS

**Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Chakra UI

**Backend:** Node.js, Express.js, NestJS, REST APIs, GraphQL, Socket.io, JWT Auth, OAuth 2.0

**Databases:** MongoDB, PostgreSQL, MySQL, Supabase, Prisma ORM, Redis (basic)

**DevOps & Tools:** Git/GitHub, Docker, AWS (EC2, S3), CI/CD Pipelines, Vercel, Postman, Linux

**Blockchain / Other:** Solidity, Web3.js (learning), Java, Python, C++, Agile/Scrum

## WORK EXPERIENCE

### Full Stack Developer | [Marfah Technologies](#)

Remote · Jan 2025 – Present

- Developed and maintained 3 scalable MERN stack web applications serving active production users, improving feature delivery speed by ~30% through reusable component architecture.
- Engineered JWT and OAuth 2.0 authentication systems with role-based access control (RBAC), reducing unauthorized access incidents to zero across all client deployments.
- Built real-time features using Socket.io (live notifications, chat), reducing user-reported latency issues by ~40% compared to previous polling-based approach.
- Established CI/CD pipelines using GitHub Actions and Docker, cutting manual deployment time from ~45 minutes to under 5 minutes per release cycle.

### Freelance Full Stack Developer | [Self-Employed](#)

Remote · Nov 2024 – Present

- Delivered 4 production-ready applications including an e-commerce platform and analytics dashboards for clients across Pakistan and internationally.
- Designed and implemented responsive UIs with Tailwind CSS and Chakra UI, achieving consistent 95+ Lighthouse performance scores across all delivered projects.
- Managed full project lifecycle from requirements gathering through deployment — maintaining 100% on-time delivery rate across all freelance engagements.

### Freelance Backend Developer | [Self-Employed](#)

Remote · 2023 – 2024

- Architected and delivered 4 reusable Express.js and GraphQL microservices, reducing API integration time by ~35% for client front-end teams.
- Integrated Stripe and PayFast payment gateways handling secure transactions, and connected 5+ third-party APIs including Twilio (SMS) and SendGrid (email).
- Embedded AI features (OpenAI API) into 2 client applications, enabling intelligent content generation and chatbot functionality.

### Freelance Frontend Developer | [Self-Employed](#)

Remote · 2022 – 2023

- Developed responsive React.js interfaces using Tailwind CSS and Bootstrap, consistently achieving sub-2s load times through code splitting and lazy loading.
- Collaborated with backend developers and designers across 6 projects, translating Figma designs into pixel-perfect, cross-browser-compatible web apps.

## SELECTED PROJECTS

**Decentralized Product Authenticity Tracker (working)** *Solidity · React · Node.js · Web3.js*

- Built a blockchain-based product verification system on Ethereum testnet, enabling immutable product lifecycle tracking from manufacturer to end consumer.
- Implemented smart contracts in Solidity with React/Web3.js frontend; reduced counterfeit verification time by eliminating manual paper-trail audits.

#### **Shariah-Compliant Microfinance Platform** *MongoDB · Express.js · React · Node.js · RBAC*

- Engineered a full-stack fintech platform with 3-tier role-based access (admin, loan officer, client), supporting complete loan application and approval workflows.
- Implemented Islamic finance compliance logic (Murabaha, Ijarah models) and secure document upload with AWS .

#### **Car Rental Hub** *React · Express.js · TypeScript · PostgreSQL · Prisma*

- Developed a full-stack vehicle rental marketplace with real-time availability tracking, booking management, and integrated payment flow using TypeScript throughout.
- Used Prisma ORM with PostgreSQL for type-safe database queries, reducing data-layer bugs by eliminating raw SQL string errors.

#### **Real-Time Prayer Times App** *Socket.io · Geolocation API · Node.js*

- Built a real-time prayer scheduler using browser Geolocation API and Socket.io push updates, serving accurate Adhan times to users without page refresh.

#### **Secure Banking Portal** *MERN · MFA · Chart.js*

- Implemented multi-factor authentication (TOTP via Google Authenticator) and interactive financial dashboards using Chart.js with live transaction data.

## **EDUCATION**

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### **BS Computer Science**

*2024 – 2028 (Expected)*

COMSATS University Islamabad, Attock Campus · CGPA: 3.06 / 4.00

## **CERTIFICATIONS & ACHIEVEMENTS**

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- **GitHub Developer Program Member (Pro)** - Open-source contributor; merged bug fixes into Lottie-Web library.
- **Google Developers Group On Campus** - Active member, Full Stack Web Development track.