

Ali Baloch

Web Developer



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<https://balochali.dev/>

Enthusiastic MERN Stack Developer with 2+ years of full-stack experience, specializing in scalable web applications, blockchain integrations, and API development. Skilled in building secure and high-performance systems, decentralized apps (dApps), and well-tested backend services using Mocha, Chai, Sinon, and TestDouble. Passionate about delivering optimized solutions with clean architecture and modern JavaScript frameworks.

Experience

Founder & Web Developer - Rex Official

May 2025 - present

- Launched and managed an e-commerce brand specializing in oversized t-shirts.
- Designed and developed the brand's online store using the MERN stack with a smooth and responsive shopping experience.
- Optimized website performance and UI/UX, improving conversion and customer engagement.
- Managed product inventory, marketing strategies, and day-to-day operations.
- Integrated secure payment processing, product management, and order tracking features.

Software Engineer - TechThree

June 2023 - May 2025

- Developed and maintained scalable blockchain-based applications using the MERN stack, Web3, and smart contract integrations.
- Designed, built, and optimized RESTful APIs, improving performance, response time, and data processing efficiency.
- Integrated Kafka for real-time message streaming, enabling automated spam detection and moderation for Telegram bot systems.
- Created and optimized unit tests using Mocha, Chai, Sinon, and TestDouble, achieving high test coverage and significantly reducing production defects.
- Led Swagger API documentation efforts and migrated request payload formats from JSON to form-data for enhanced file upload handling.
- Collaborated with cross-functional teams to ensure consistent brand identity across marketing platforms and digital assets.
- Improved code structure, scalability, and deployment efficiency through CI/CD best practices and modular architecture.
- Contributed to feature planning, requirements analysis, and system design to deliver high-impact product enhancements.

MERN Stack Developer - QF Network

Nov 2022 - May 2023

- Led a team of MERN Stack developers, handling project planning, task delegation, code reviews, and technical decision-making.
- Built and customized Shopify applications using React.js, Node.js, Next.js, and Shopify Admin & Storefront APIs.
- Developed secure authentication systems using JWT and OAuth to enhance access control and overall application security.
- Integrated Shopify storefronts with custom dashboards to automate product management, order tracking, and payment workflows.
- Optimized backend services and database structure to improve application performance, reliability, and scalability.

Education

● Sukkur IBA University

2018 - 2022

- BS Computer Science

Certificates

- Programming for Everybody - University of Michigan
- Certificate of Participant - IEEE PSYWC
- Certificate of Participant - TechFest
- Organizing Team - Basant Festival

Skills

● Front-End Development

- React.js, Next.js, Redux, JSX
- HTML5, CSS3, SCSS, Tailwind CSS, Material-UI
- Responsive & mobile-first design
- UI/UX implementation and optimization

● Database

- MongoDB, MySQL, PostgreSQL, SQLite, MS SQL Server
- Prisma ORM
- Database schema design, queries, and optimization

● Testing & Quality Assurance

- Unit testing frameworks: Mocha, Chai, Sinon, TestDouble
- Test coverage and code quality optimization
- Debugging and production issue resolution

● Back-End Development

- Node.js, Express.js
- RESTful API design and optimization
- Authentication & Authorization (JWT, OAuth)
- Microservices architecture
- Real-time messaging (Kafka integration)
- Server-side rendering (Next.js)

● Blockchain & Web3

- Smart contract integration
- Web3.js
- Decentralized application (dApp) development

● API & Documentation

- Swagger/OpenAPI documentation
- Migration of request payloads (JSON → form-data)
- API versioning and security