

Muhammad Shayan Khan

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SUMMARY

Full-stack developer with a Bachelor's in Software Engineering and MERN stack expertise. I develop Enterprise grade Web Apps. I can proficiently reduce load times in existing applications using modern and scalable practices. I am proficient in third party API integration and making visually appealing yet fast and reactive UIs.

EXPERIENCE

Zaynosoft Inc.

Islamabad, Pakistan (Remote)

Full-stack Developer

March 2024- July 2025, Oct 2025- Present

- Developed highly scalable and responsive Enterprise grade Web Apps delivering seamless user experience.
- Worked closely with UI/UX design teams to refine and optimize existing frontend user interfaces using React Tailwind and ShadCN.
- Developed type-safe React components with Typescript, improving maintainability and runtime errors.
- Structured modular styles using CSS Modules , enabling scoped and conflict free component styling .
- Designed and implemented file-based and code-based client-side routing using Tanstack Router & React Router while integrating loaders query-based data fetching and deferred data handling.
- Reduced application load times by implementing Lazy loading , route-based code splitting, and efficient asset management , ensuring faster initial page rendering .
- Implemented State management using Context API Redux Toolkit to maintain global state across complex component trees.
- Integrated Recharts library in interfaces for interactive data visualizations , enabling dynamic charts .
- Integrated third-party APIs to extend functionality (e.g. payment gateways, analytics and geolocation APIs).
- Integrated Stripe Checkout and Elements into frontends to enable secure payments while implementing server side payment processing using Node.js + Express.js .
- Developed secure forms using React Hook Form for dynamic field control, real time validation, controlled inputs, and custom error boundaries to handle secure input handling and ensure data integrity.
- Developed RESTful and modular APIs using Node.js and Express.js , implementing MVC architecture with routing , middleware , and controller separation for scalability and maintainability.
- Utilized MongoDB and Mongoose ORM to define schema-driven data models , apply validation constraints, and execute optimized queries for high-volume datasets.
- Implemented Cross Origin Resource Sharing (CORS) configurations in the backend to ensure secure API accessibility while preventing unauthorized requests and data exposure.

Apricopt Tech

Islamabad, Pakistan (Remote , Contract)

Web Scraping & Automation Developer

July 2025- Sept 2025

- Designed resilient web-scraping systems with robust anti-failure strategies and rate-limiting to reliably collect open source and publicly available data from sites while adhering to legal and ethical constraints.
- Implemented retry logic and circuit-breaker patterns to handle anti-bot defenses scraping 500+ points daily using Puppeteer .

TECHNICAL SKILLS

- **Client-side:** HTML, CSS, Tailwind, Javascript , Typescript , React Js, Vite js , Tanstack Router, Shadcn
- **Server-side:** Node.js , Express.js , Postman , MVC , phpMyAdmin , XAMPP
- **Databases and Data-Modelling:** MongoDB & Mongoose , MySQL
- **Version Control:** Git & Github
- **Deployment & Hosting:** Github pages , Netlify , Vercel , Streamlit , Glitch , Render , FTP via Filezilla
- **Other Technologies:** NodeBB, Next Js Puppeteer, Redux, GraphQL, Apollo Client

Education

Bachelor of Software Engineering / NUML, Islamabad

Jan 2024