

# Erbaz Zafar

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## EXPERIENCE

Full Stack Developer, **Netrex**

*March 2025 - Present*

- Developed and implemented modern and interactive frontend Interfaces, ensuring seamless user experience.
- Built scalable REST APIs to ensure smooth interaction between the client and server.
- Integrated secure payment gateways, developing middleware to handle authentication, authorization, and secure transactions across the application.
- Led the deployment process with containerizing the whole project using Docker and Docker Compose resources and ensuring timely updates for ongoing improvements.

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## PROJECTS

### Affare Doro | MERN stack

- It is a full-stack E-commerce platform that is built using the NextJs framework, that helps in buying and selling of the vented items.
- Deployed the application on a Linux-based VPS using PM2 for process management, ensuring persistent, crash-free runtime
- Integrated and managed a MongoDB database secured with authentication and IP whitelisting, hosted on the same VPS.

### MentorVerse (FYP)

- Developed a full-stack web application using Nextjs, MongoDB, Nodejs, Expressjs.
- And using the React Library for the scalable and interactive platform, leveraged Tailwind CSS for a modern and responsive UI.
- Implemented robust security features, with NextAuth, JWT for authentication and secure communication.
- Google and GitHub sign in functionalities are provided as well.
- Stripe integration is done for the secure payments

### Book Mahal | MERN stack

- Built a full-stack book management platform using MERN stack with the Nextjs Framework, implementing full CRUD functionalities for book record.
- Implemented CI/CD pipelines with Jenkins, automating code retrieval from GitHub, Docker image builds, and container deployment on AWS EC2 instances.
- Utilized S3 bucket for scalable and secure cloud image storage and used Vercel for frontend hosting.

### QR Code Generator | API Handling

- Handled APIs and DOM manipulation to create the QR codes for the respective input fields.

### Random Password Generator | React Hooks

- Using React hooks to generate random passwords with customizable length and the option to include numbers or any special character using the Vite.

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## EDUCATION

The University of Lahore

- Bachelors – Computer Science (BSCS)

*CGPA - 3.16*

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## SKILLS

**Programming Languages:** JavaScript, Typescript

**Programming Essentials:** OOP, Data Structures.

**Technical Skills:** React, Nodejs, Expressjs, MongoDB, MySQL, nextAuth, JWT, Jenkins, Docker, Docker Compose

**Communication & Teamwork:** Collaboration with cross-functional teams, including product managers and stakeholders.