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
- Integrated secure payment gateways and developed middleware to enforce gateway requirements, ensuring safe and efficient API communication across frontend and backend.

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.

InfraApp | Terraform (HCL)

- Designed and provisioned a complete AWS infrastructure using Terraform.
- Configured remote backend with Amazon S3 for storing the tfstate file and DynamoDB for state locking and consistency, ensuring safe access and preventing concurrent modification.
- Utilized interpolation techniques to dynamically inject variables into resources such as EC2, S3, EKS
- Using terraform workspaces and the git branches to maintain the state and the code parallelly
- Leveraged Terraform modules to enhance code reusability, scalability, and maintainability.

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
- Utilized Vercel for frontend hosting to make the website publicly accessible with seamless and efficient production releases.

Notes-App | CI/CD Jenkins

- Developed a Notes application using Django as the backend framework.
- Provisioned AWS EC2 instances and configured security groups for secure deployment.
- Leveraged Jenkins to automate CI/CD workflows, including cloning from GitHub, building, pushing Docker images, and deploying the application on AWS.

EDUCATION

The University of Lahore

- Bachelors – in Computer Science (BSCS)   *CGPA - 3.16*

SKILLS

Programming Languages: Javascript, Typescript

Programming Essentials: OOP, Data Structures.

Technical Skills: React, Nodejs, Expressjs, MongoDb, MySQL, JWT, Oauth, Jenkins, Terraform (IaC), Docker, Docker Compose

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