

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Gurvinder Singh

Training Duration: 6 Months

Days: 51

Objective of the Day

The objective of Day 51 was to understand **application deployment concepts** and learn how MERN stack applications are prepared for production environments.

Work Done on Day 51

The trainer explained the difference between **development environment** and **production environment**. Real-world deployment challenges such as performance, security, and scalability were discussed.

Deployment Basics

Topics covered:

- What is deployment
- Why production build is required
- Differences between local server and live server
- Importance of environment variables

The trainer explained how frontend and backend are deployed separately or together based on application architecture.

Build Process

We learned:

- Creating optimized frontend builds
- Removing development dependencies
- Handling configuration files

The importance of minimizing bundle size and improving load time was emphasized.

Conclusion

Day 51 provided an understanding of how applications move from development to production and what preparations are required before deployment.