

# Full-Stack (MERN)

## Week 1–4: Frontend with React & TypeScript

- React components
- Hooks & state
- TypeScript integration

## Week 5–8: Backend with Node.js & Express

- Express APIs
- Middleware
- Error handling

## Week 9–10: MongoDB & Data Modeling

- Schema design
- Indexing
- Performance tuning

## Week 11–12: Authentication & Authorization

- JWT + OAuth2
- RBAC implementation
- Session handling

## Week 13–14: CI/CD & DevOps

- Azure DevOps basics
- Pipeline setup
- Docker integration

## Week 15–16: Capstone Project

- End-to-end MERN project
- Deployment
- Mock interviews