

MERN Stack Short Course

40 · R14,995

The MERN stack (MongoDB, Express, React, Node.js) is the most in-demand full-stack JavaScript skillset. This course connects front-end and back-end JavaScript into one cohesive ...

40

Hours of Training

R14,995

Course Fee

5 Days

Full-Time Option

JHB · CPT

+ Online Nationwide

COURSE CURRICULUM

What You'll Learn

Stack Overview & Dev Environment

How the four technologies connect, set up VSCode, Node, MongoDB Atlas and Postman.

MongoDB & Mongoose

Schema design, CRUD operations, population and indexing.

React Frontend Setup

Create React App / Vite, folder structure, Axios for API calls.

React Router & Protected Routes

Client-side routing, redirect on auth, 404 handling.

File Uploads & Cloud Storage

Multer on the backend, Cloudinary for image hosting, preview in React.

Node.js & Express Backend

REST API with Express, middleware, error handling and project structure.

JWT Authentication

Register, login, bcrypt hashing, token generation and auth middleware.

State Management with Context + useReducer

Manage auth state and app-level state without Redux.

Full CRUD Integration

Connect React components to Express endpoints — create, read, update, delete.

Deployment

Deploy backend to Railway/Render, frontend to Netlify/Vercel, connect to MongoDB Atlas.

