

Duration: 5 days

Course Overview:

This Program takes you through a journey in four basic steps:

1. Introduction to Full Stack Development
 - Full Stack Development covers both front-end and back-end development, allowing developers to build complete web applications.
2. Building a RESTful API with Node.js, Express and MongoDB
 - Use Node.js with Express framework to create a RESTful API, storing data in MongoDB for robust web application development.
3. Building a React App with Hooks and Context
 - Build a React app using Hooks for state management and Context API for global data sharing and improved component communication.
4. Building a Full Stack MERN Application
 - Develop a MERN application using MongoDB, Express, React, and Node.js for a complete end-to-end web solution.

Course Objectives:

After completing this course, will be able to:

- Set – up development environment, install libraries and create first app.
- Use MongoDB and Express JS.
- Use Deploy to Google Firebase
- Create Containers on AWS ACR.
- Do basic Web Animations.

Pre-requisite

None.

Course Outlines

Day 1:

Topic 1: Introduction To MERN

- Practice Of Topic 1
- Topic 1.2: What Is Feathers JS?
- Practice Of Topic 1.2
- Real World Example
- Quiz & Q & A
- Evaluation Of Learning

Day 2 Content:

Topic 2: Restful API

- Practice Of Topic 2
- Topic 2.2: Real Time Test API's
- Practice Of Topic 2.2
- Building An API Backend
- Quiz & Q & A
- Evaluation Of Learning

Day 3 Content:

Topic 3: Feathers JS

- Practice Of Topic 3
- Topic 3.2: Services And Hooks
- Practice Of Topic 3
- Building A Data Model
- Quiz & Q & A
- Evaluation Of Learning

Day 4 Content:

Topic 4: React With Prime CSS

- Practice Of Topic 4.2
- Topic 2: CSS And Themes
- Practice Of Topic 2
- Real World Project
- Quiz & Q & A
- Evaluation Of Learning

Day 5 Content

Topic 5: Exam Prep

- Practice Exam Questions
- Topic 5.2: Mock Exam
- Project Discussions
- Deploy The App To Firebase
- Quiz & Q & A
- Evaluation Of Learning

Self-Study

1. Visual Studio Code
2. GitHub Commands
3. Postman
4. Docker
5. Firebase
6. Linux Ubuntu Commands
7. MongoDB Commands
8. NPM & PM2
9. Testing Scripts
10. Teleport