



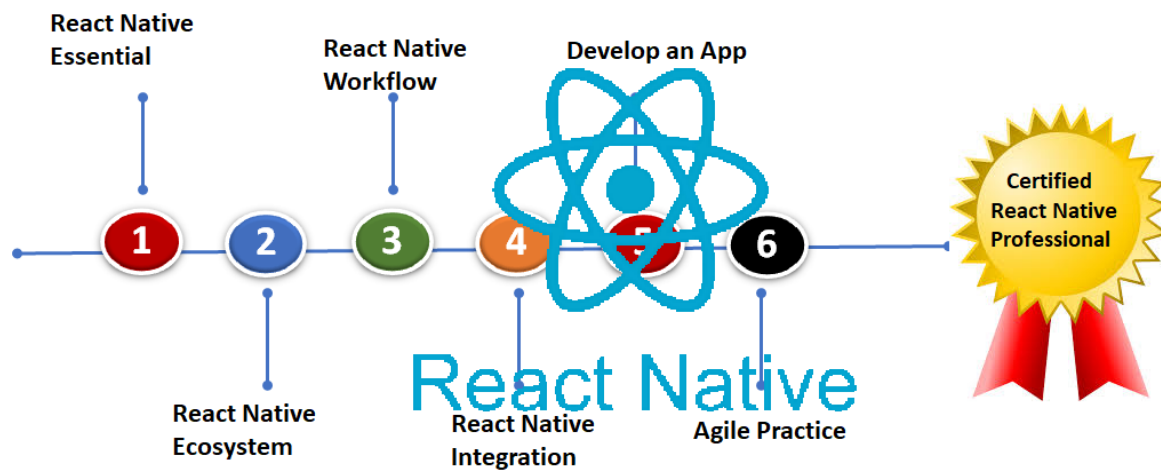
**MOBILE APP DEVELOPMENT | REACTIVE NATIVE UI |
REACT NATIVE REUSABLE | IOS DEPLOYMENT | ANDROID
DEPLOYMENT | MONITORING | RELEASE**

10 MODULE | 4 LAB PROJECT | 1 LIVE INDUSTRY PROJECT

QUOTATION AND COURSE OUTLINE

MULTIPLATFORM MOBILE APP DEVELOPMENT WITH REACT NATIVE

REACT NATIVE LEARNING PATH



Course Materials

TechPledge will provide a customized set of Lecture Notes for each class scheduled along with Recoded video . You will be given a PDF file which you may make copies from, email to your participants, or make available via internal website.



Learning Path for React Native Developer

Scrum is React Native lets you apply your web development skills to create native iOS and Android apps. While React Native helps you cross the web/native boundary, there is a lot of detail that differs from traditional web development approaches. React Native uses modern JavaScript to get truly native UI and performance while sharing skills and code with the web. At the end of this course, you will be able to (a) Build mobile applications targeting multiple platforms with a single codebase, (b) Leverage your React and Javascript skills, (c) Use various features of React Native

Abilities Validated by the Training

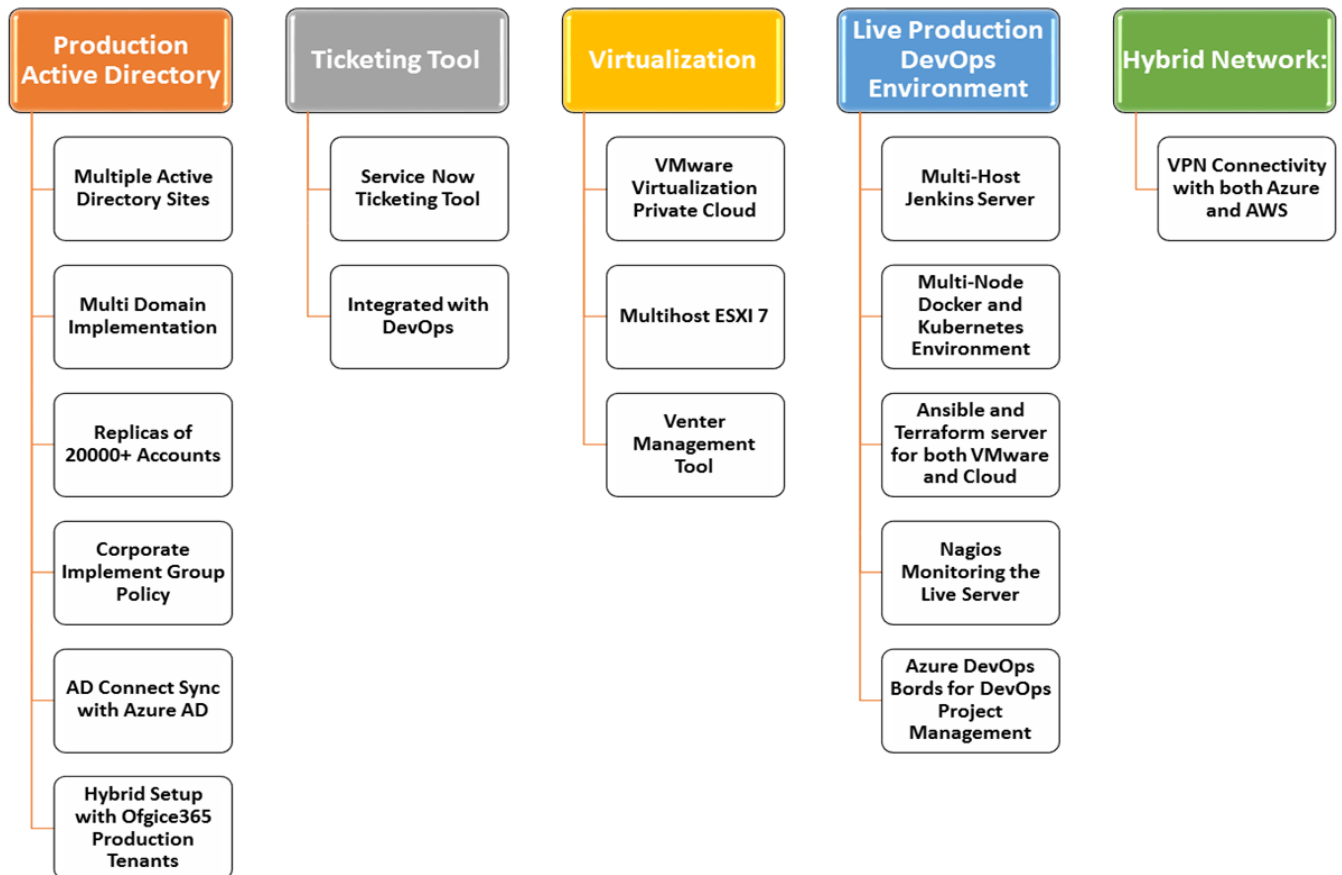
- To create new and innovative native applications for mobile
- The fundamentals of React Native
- To create apps for both iOS and Android
- To create smaller reusable components from complex components
- Creating authentications for apps

Customer Immersion – Live Production Walkthrough

6 Hours Live walkthrough the complete Development and Deployment Process in production environment with full setup of Infrastructure Like **React , Visual Studio , AD, Microsoft SQL , Microsoft Exchange, File Server , ADFS and DevOps Tool Like Jenkins , Ansible , Docker , Terraform, GCP CLI, AWS Code Deploy , AWS Code Pipeline , Azure Pipeline and Azure ARM** and Development Environment with Maven, Visual Studio and Python.

The Complete Setups is using **100 of PowerShell & Linux Script** with **237 CI/CD scripts** (Jason, Yamal).

Below is the High-Level Setup Outline of our Customer Immersion Production Replicas. Student will get the access of this setup at end of the course for 6 hours with AD ID and Organization Email.





React Native

Course Outline

Module 1 – React Native Basic

- Abstracting React from the DOM
- Advantages of React Native
- React Native vs Web Apps
- React Native vs React web

Module 2 – Setup Development Environment

- Installing React Native
- iOS setup – XCode
- Android setup – Android Studio
- Run an example project in iOS and Android simulators

Module 3 – Core Native Component

- Establishing a layout with View
- Displaying text with Text
- Accepting user input with TextInput
- Adding images with Image
- Making components interactive with TouchableHighlight
- Displaying data with ListView
- React Native - State
- React Native - Props
- Changing screens with Navigator
- Expanding touch capability with GestureResponder and PanResponder

Module 4 - The React Native Styling

- Styling React Native Component
- Develop CSS
- Issues with CSS
- Inline Styles
- Create Immutable style objects with StyleSheet.create
- Pass styles as props



- Positioning components with flexbox

Module 5- Working with React Native API

- React Native - WebView
- React Native - Modal
- React Native - ActivityIndicator
- React Native - Picker
- React Native - Status Bar
- React Native - Switch
- React Native - Text
- React Native - Alert
- React Native - Geolocation
- React Native - AsyncStorage
- Using fetch to retrieve data
- Getting a user's location and handling permissions
- Accessing stored photos with CameraRoll
- Adding animations

Module 6 – App Deployment

- Hello React Native with Expo
- Hello React Native with IOS
- Hello React Native with Android
- Deploying to Apple App Store
- Deploying to Android Play Store

Module 7- React Native Authentication

- Logging a User In
- Error Handling
- More on Authentication Flow
- Creating an Activity Spinner
- Conditional Rendering of JSX
- Clearing the Form Spinner
- Handling Authentication Events
- More on Conditional Rendering
- Logging a User Out and Wrapup



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