

## Entry Levels

## Intermediate

## Advanced

## Specialist

## Expert

- Bootstrap Expert
- CSS Animation & Transition
- GIT L2(Remote & Collaboration)
- Material Design
- Tailwind Expert
- Figma
- Product design
- Information Architecture
- Wireframing
- Prototyping
- Visual Communication
- Adobe XD
- InVision Studio

- HTML
- CSS
- JS Programmer 1
- CSS Framework Basic  
(with bootstrap)
- Documentation  
(with swagger & Postman)
- Hosting & Deployment  
(Dev Ops Basic)
- Project Management Tools  
(Trello/JIRA)
- GIT L1(Basic Commands)
- Intro(UI/UX, Frontend & Backend)

## Javascript

- Variables Operators, primitive
- Data structures, JSON, Arrays & Maps
- Native methods, Prototypes, Async Promises and closure
- Singleton, Model pattern,
- Factor patterns and Design pattern
- Decorator & Observer
- Consuming public API
- Object Oriented Programing
- HTML Canvas (Graphs & Gaming)
- Regular Expression

## GIT L2

## React &amp; Restfull

- Getting started with React  
(installation and basic commands)
- Introduction to JSX
- Rendering Elements
- Components and Props
- Introduction to Hooks
- State and Lifecycle
- Handling Events
- Conditional Rendering
- Styling in React
- Form
- Hooks and Custom Hooks
- React Router
- Consuming API (using axios, fetch)
- State Management with Redux
- Production build

## GIT L3

## React Native

- Working with React Native Components
- Core components
- Styles and stylesheet objects
- React Native Flexbox and layout
- ScrollView
- Flatlist
- Passing data between components
- Touchable components
- Modal overlay
- Orientation and Layouts
- Navigation
- State Management with Redux, Redux thunk
- HTTP Requests
- Authentication
- Native Device Features (Camera, Maps, Location etc)
- Publishing React Native Application
- Push Notification

## Angular &amp; SQL

- Getting Started with angular  
(installation and basic commands)
- Component
- Component Lifecycle, Component Interaction
- Templates
- Pipes and Directives
- Reactive Forms and Template-driven forms
- Routing
- Dependency Injection (injectable services)
- State management with rxjs
- HTTP Client
- Modularizing Angular application
- Production build

## Typescript

## Vue Js &amp; Electron

- Getting started with vue  
(installation and basic commands)
- Component Rendering
- Template syntax (interpolation, JS expression, directives)
- Binding (attribute, dynamic argument)
- Class and Style binding
- Event handling
- Data Properties and Methods
- Computed Properties and Watchers
- Conditional and List Rendering
- Form
- Props and Slots
- Consuming API
- Composition API
- Routing with Vue Router
- State Management with Vuex
- Production build
- SQL(Simultaneous approach)

## Firebase

- Setting up
- Data Manipulation (Querying, Writing, Deleting, Indexing data)
- Writing Security rules
- Implementing Social Media Sign-in
- Deployment using Firebase CLI

## Node Express

- Installation and setup
- Node REPL
- Modules and npm & Package.json
- Nodemon, Callback pattern, Promises
- Error handling
- Building RESTful service using Express
- Handling HTTP Requests
- Rendering Layouts
- Templating Engine
- Modularizing routes, Middleware
- Working with environment variables
- Working with Socket.io
- Authentication using JWT
- Deployment

## Next &amp; GraphQL

- GraphQL vs REST
- Schema Definition Language (SDL)
- Architecture (clients, server)
- Tools (GraphQL, Launchpad)
- Environment setup (GraphQL server)
- Schemas, Migrations and Subscriptions
- Querying (fetching data)
- Querying (with arguments, aliases and fragments)
- GraphQL in React
- Nodejs with GraphQL (Nodejs, Apollo, Prisma)

## Databases(NoSQL-Mongo)

## PHP Laravel

- Introduction (Installation and setup)
- Variables, variable scoping
- Operators & Data types
- Numbers & String in PHP
- Date and Time
- Strings in PHP
- Control Structures & Regular Expression
- Array, Functions & OOP in PHP
- Form handling & File Operations
- PHP Cookies and Sessions
- Working with MySQL Database
- Authentication and Authorization
- Introduction to Security in PHP (Injection, XSS, CSRF)

## Databases(SQL1 &amp; NoSQL)

## Python Django

- Introduction (Installation and setup)
- Numbers: Operations and Types
- Strings and String Methods
- Conditionals & Loops
- Math Operations, Lists and Tuples
- Functions, Dictionaries and Sets
- I/O, Modules in Python
- Classes, Objects, Methods & Inheritance
- Interacting with the OS

## Databases(SQL2 &amp; RDBMS)

