**NodeJs Learning PoC**

Nodejs Roadmap (Path to learn all nodejs backend concepts)

**Basics -** <https://www.udemy.com/course/the-complete-nodejs-developer-course-2/>

* Javascript - <https://www.udemy.com/course/modern-javascript-from-the-beginning/>
  + Arrays
  + DOM
  + Basic Operations(Variables, functions, etc.,)
  + Synchronous & Asynchronous(Promise, Async-Await)
  + Internals of JS (Eventloop, Call Stack, TaskQueue, etc.,)
* What is Nodejs, Why using nodejs , How nodejs works
* Module
* File Systems
* Http
* Path
* Crypto
* NPM

**Intermediate -** <https://www.udemy.com/course/the-complete-nodejs-developer-course-2/>

* Express
* RestAPI (GET, POST, PUT, DELETE, PATCH)
* Axios
* Socket.io
* Database
  + Relational DB(SQL) - (**MySQL**, Postgres, Sql Server, Oracle)
  + NOSQL - MongoDB

**Advanced -** <https://www.udemy.com/course/advanced-node-for-developers/>

* Internals of NodeJS (V8, Libuv, ThreadPool)
* Clustering
* Child Process
* Worker Thread
* Caching (Redis)
* Testing (**Jest** or Mocha)
* Microservices - <https://www.youtube.com/watch?v=Zc2mQSQXoS4>
  + Using Http
  + Message Broker (**RabbitMQ**, Karfa, etc.,) - <https://medium.com/swlh/how-to-implement-a-simple-message-queue-in-node-js-ee52e4ad6615>
* Connecting to Devops
  + Deploy(CI/CD) app from git to jenkins
  + PM2
  + Storing file and images to cloud (s3, aws, cloudinary)

**Nodejs Basic Titles:**

* Built-In Module
* Path Module
* Fs Module (Sync)
* Fs Module (Async)
* Sync Vs Async
* Http Module
* Nodemon
* Event Loop
* Async Patterns - Blocking Code
* Events Emitter
* Events Emitter
* Streams - Read File
* HTTP Request/Response
* Express
* Route Params
* Query String
* Middleware
* APP.USE
* Multiple Middleware Functions
* Methods - GET
* Methods - POST
* Methods - DELETE
* Express Router
* Express Router - Controllers

**Nodejs Advanced concept Titles:**

* Clustering
* Child Process
* Worker Thread
* Caching (Redis)
* Testing (Jest or Mocha)
* Microservices

Message Broker (RabbitMQ, Karfa, etc.,)

* Connecting to Devops

Deploy(CI/CD) app from git to jenkins

PM2

Storing file and images to cloud (s3, aws, cloudinary)