**Server-Side Technologies Checklist (5 Days)**

**Introduction Video:** <https://www.youtube.com/watch?v=TlB_eWDSMt4>

**NodeJS**

* JavaScript in server side
* Non-blocking I/O
* Event Loop
* Global variables and REPL
* Node package manager (NPM)

**HTTP and REST**

* HTTP Verbs (GET, POST, PUT, PATCH, DELETE)
* HTTP header and responses
* HTTP status codes
* REST architecture

Reference: <https://www.freecodecamp.org/news/http-and-everything-you-need-to-know-about-it/>

**ExpressJS**

* Intro to ExpressJS framework
* Middleware
* Cookies
* REST API
* Error Handling

**DBMS (MySQL Database)**

Refer this video (highly recommended): <https://www.youtube.com/watch?v=7S_tz1z_5bA>

**Sequelize**

Refer this video: <https://www.youtube.com/watch?v=pxo7L5nd1gA>

**Elasticsearch**

* Introduction to Elasticsearch
* Indexing
* Create, get, delete queries.

**Redis**

* In-memory database
* Redis keys
* Strings, Hashes, Lists and Sets

**Docker**

* Virtualization
* Docker vs Virtual machines
* Container and what is containerization.
* Dockerfile and docker-compose.yml files
* Mostly used docker commands

**NestJS**

* Introduction to Typescript
* Controllers
* Providers
* Modules
* Middleware
* Exceptions and Error Handling
* Pipes
* Guards
* Interceptors
* Lazy and Dynamic Modules

Reference: <https://docs.nestjs.com/>

LinkedIn learning:

NodeJS: <https://www.linkedin.com/learning/search?keywords=NodeJS&sortBy=RELEVANCE&u=81641906>

HTTP: <https://www.linkedin.com/learning/http-essential-training/welcome?autoplay=true&u=81641906>