

MERN Stack DEV Onboarding checklist

(1) Environment Setup

Make sure you have the following applications setup on your computer.

1. PostgreSQL (Version 16): <https://www.youtube.com/watch?v=0n41UTkOBb0>
2. nvm (need to know how we can use different version of nodejs using nvm) :
 1. <https://github.com/coreybutler/nvm-windows>
 2. Tutorial: <https://www.youtube.com/watch?v=RDScvojgAio>
3. HeidiSQL for database management: (you need to be able to browse data, make modifications, add new data to a table of a postgresql database)
 1. <https://www.heidisql.com/>
 2. Tutorial: <https://www.youtube.com/watch?v=xczm38zY2qQ>
4. Ngrok: <https://www.youtube.com/watch?v=aFwrNSfthxU>
5. git and git bash(for windows users)
6. docker (need to be able to use a docker-compose file)
7. Postman
8. Figma(the web version is also enough)
9. VS code/ Webstorm
10. Chrome extension: FakeFiller <https://fakefiller.com/>
11. VS code extension: Git Graph <https://www.youtube.com/watch?v=u9ZQpKGTog4>

(2) Git & Github Concepts

1. Clone a repository
2. Create new branch from an existing branch: `git checkout -b my-cool-branch`
3. Use hyphen in branch names, not underscore. `like-this` wrong: `not_like_this`
4. Switch to another branch: `git checkout my-cool-branch`
5. Push a branch: `git push origin my-cool-branch`

(3) ReactJS Concepts

1. Basic concepts: <https://www.youtube.com/watch?v=wlyHSOugGGw>
2. Form handling with React hook form: https://www.youtube.com/watch?v=cc_xmawJ8Kg
3. State vs Props: <https://www.youtube.com/watch?v=IYvD9oBCuJI>
4. React hooks: <https://www.youtube.com/watch?v=HHttzJuecas>
5. Loop inside JSX: <https://www.youtube.com/watch?v=ANKGfdi8Ki4>

(4) NestJS & Prisma ORM basics

1. Nestjs crash course:
https://www.youtube.com/watch?v=pcX97ZrTE6M&list=PL4cUxeGkcC9g8YFseGdkyj9RH9kVs_cMr
2. Prisma Basics: <https://www.youtube.com/watch?v=RebA5J-rlwg&t=476s>
3. REST API with nestjs & prisma:
<https://www.youtube.com/watch?v=6He5Gyuuvxk&t=380s>

(5) Frontend concepts

1. Ant design component library
 1. Ant design forms: <https://www.youtube.com/watch?v=yW1LVrp9mVk&t=161s>
 2. Ant design table: <https://www.youtube.com/watch?v=Stw-WAUNNYM>
2. ShadCN component library: <https://www.youtube.com/watch?v=OiWUxvJAF3c>
3. TailwindCss (complete this full playlist):
https://www.youtube.com/watch?v=X7XbjwD6fVY&list=PLHiZ4m8vCp9P23SqlHL0QAqiwS_oCofV2