

# SELF LEARNING WEEK

We are at the end of the bootcamp and we hope you have accumulated the skills on becoming a self learning, independent developer. We have chosen a few topics which we recommend you learn to put in your knowledge arsenal.

When you learn a certain technology, I recommend you put it into practice right away. Watching videos/ reading articles without doing wont get you far. So once you have learned a new technology use this technology either in an existing project or a demo project. Write as many comments as you seem fit. Once you come back to the technology, you will fully understand it thanks to the comments you provide. I have provided a list of subjects for you to learn, the difficulty level and the time estimation it will take you. Please choose the subjects that will fill the 4 days of self study.

Have fun!

**1.**

**Subject:** Authentication

**Level:** Hard

**Time estimation:** 2 days

**Resource:** Udemy course all of section 12

**Note:** They teach you how to create authentication in the backend. Once you set up your frontend you need to either store your authentication token in a cookie or local storage.

**2.**

**Subject:** File Uploads

**Level:** Medium

**Time estimation:** 1 day

**Resource:** Udemy course all of section 15

**3.**

**Subject:** Sending emails

**Level:** Medium

**Time estimation :** 1 day

**Resource:** Udemy course all of section 15

**4.**

**Subject:** Testing in Node JS

**Level:** Medium

**Time estimation:** 2 days

**Resource:** Udemy course all of section 16

**5.**

**Subject:** AWS server/ Azure/ Google cloud

**Level:** Hard

**Time estimation:** 2 days

**Resource:** Google

**Note:**

Host your backend and frontend in one of the popular cloud services

For example for AWS:

Create a backend server with AWS EC2 instance.

Create a frontend server with the help of AWS Amplify.

Create a continuous integration flow with AWS CodePipeLine.

For extra fun buy a domain name for a few dollars and connect it to your frontend.

Please note you need to enter your credit card to play around with their services.

**6.**

**Subject:** serverless AWS lambda functions with netlify

**Level:** Hard

**Time** estimation: 1 day

**Resource:** Use this [link](#) to get you started

**Note:** Create an express app in Netlify without having a backend. Serverless functions are a very hot topic in 2022.