

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

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**LEARNING DIARY, Software Development Skills: Full-Stack 2025-26
MODULE**

LEARNING DIARY

11.10.2025

I enrolled in the course and checked the moodle page for the very first time. I tried to get a general understanding of what was expected of me and how to pass the course. I managed to find that information and planned on continuing to work on the course next week with better time.

16.10.2025

I started working on the course. I already am familiar with GIT and Visual Studio Code, so I decided to continue working with those. Next, I installed node.js on my computer, the installation was easy. After that, I verified that my environment was set up correctly and continued with watching the crash course video on Node.js. The video was nice and simple, and I could follow along easily. As I am already somewhat familiar with Node.js, I managed to complete the whole video and the exercises within no time. I really enjoyed learning about using Node.js on its own and I am looking forward to continuing this course on some other day and the next topic.

18.10.2025

I started to watch the second crash course video which is about mongodb. I have used databases in the past but so far never mongo. It was interesting to learn about its unique data structures and features. I managed to go through the video and even start on the next video which is about express.

3.11.2025

I finished the crash course video for express. The topic was interesting but also for some reason somewhat difficult to comprehend. That is why I took extra time to really try to understand the key concepts and methodologies.

4.11.2025

I started watching the video about React. This process was actually quite painful even though I am quite used to using React. In the end, I managed to learn and complete the video and topic. I am happy that I ended up watching the video :)

17.11.2025

I started watching the video series about MERN stack. It has been a while since I last did these tasks, and I am kind of in a rush right now. Today I managed to watch through the first two videos following alongside them. This time it felt pretty simple and straight-forward as I remember things from the other videos as well. I am trying to get some pointers and really learn how to set up these basic things in order to make my later project easier and faster to do.

18.11.2025

I watched rest of the MERN stack video series. Everything else felt pretty clear and easily digestible but the redux toolkit caused some issues for me. As I have never used it, it felt quite confusing at the beginning but after some research, I think I handle it pretty well right now.

20.11.2025

Started working on the project. Created backend, routes and services for user management. Created basic frontend product and login functionality. I was heavily relying on the MERN stack video series while setting up the backend and api connections. Ended up looking for help from the MERN stack videos file structure and altered it according to my needs. It felt pretty okay and I got started with the project which is good.

27.11.2025

Achieved fully functional crud operations on the recipes. Created style framework for the frontend. Today was a piece of cake, again relying on the training material on the parts that I could not handle myself. Really happy with the progress today.

29.11.2025

I did some work on login and register features and styling. Also implemented the grocery list logic so some huge updates in that front. Again, relied on the example videos for data structure and example code. No problems today.

30.11.2025

I did some work on route protection and overall tried to push the project forward. I had some trouble with the route protection at first, but I managed to pull through. Also, I decided to add profile page and the features for that. It is still feeling easy, trying to get the project done on time.

3.12.2025

I did really much work on quite a variety of different features. Everything is basically working now with bugs. Really starting to feel the pressure with the project completion. Right now, my priority is to get the project completed within a week.

8.12.2025

I did a large-scale trial-use on the system. Found some really interesting bugs and features that I wanted to add. I listed them all on a list and started going through that list one by one. Managed to clear the most obvious and annoying bugs. Getting this project ready tomorrow.

9.12.2025

I did last final bug test and fixed some of those. The software looks good, so I recorded the demo video and uploaded it to YouTube. I also write a broad readme section for the overall project and I am now going to submit the git repository to the moodle page. Overall this course and especially this project has been a great learning experience for me. I have learned so much about fullstack development. I also learned new things about react, which surprises me greatly.