Lappeenrannan–Lahden teknillinen yliopisto LUT

Software Development Skills: Full-Stack 2024-25

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LEARNING DIARY, Full-stack MODULE

Date : (5.8.2025)
Activity : NodeJS section
Learning outcome: Most of the stuff in this section were things that I was already familiar with. Some stuff I had only done in other programming languages (like file system (I think)) but were pretty straightforward to understand. Generally, the server middleware things were hardest to understand, even though I had learned about them earlier. The video worked as a good reminder about some NodeJS/JavaScript features.

Date : (6.8.2025)
Activity : MongoDB section
Learning outcome: I was already familiar with using MongoDB from a previous course, although I hadn't used mongosh for the operations (because MongoDB compass seems easier to understand than command line interface). Generally, the video was easy to follow along. I don't think I learned anything new

Date : (11.8.2025)
Activity : ExpressJS section
Learning outcome: I was already familiar with ExpressJS, but I am not very good at it. So, this video works as a good way to show the basics of it. Overall, at least how it was shown in the video it didn't seem too complex to understand. I didn't learn anything new, but I understand ExpressJS better now.

Date : (13.8.2025)

Activity : React section
Learning outcome: While I had used React previously, I hadn't used it with JavaScript before. Most of the things covered in the video I was already familiar with, I'm not sure if there was anything new that I learned. I also didn't do the parts starting at "Build for production" since stuff covered in it can be done other ways that are shown in the other videos. I assume the MERN-stack probably does these things in a better way.

Date : (16.8.2025)
Activity : MERN-Stack section
Learning outcome: This section took a very long time to complete and was quite difficult. I was stuck multiple times, due to small typos in the code, but in the end, I managed to get code working just like in the video. Splitting the code into backend and frontend was new to me, as well as using redux. Still, I'm not sure if I understand splitting different parts of the code into separate files like controllers and routes that well.