

Lappeenrannan teknillinen yliopisto  
School of Engineering Science

Software Development Skills

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**LEARNING DIARY, FULLSTACK MODULE**

## LEARNING DIARY

11.6.2019

I read the course overview and learned that this course aims to help me find my own passion as a developer and to help me getting an edge in the job market. I decided to choose the full stack module because it interested me the most and it would probably be the most important module for me to further improve my skills as a developer.

After learning about the general course information, I watched the introduction video to Node.js. For the coding tasks on the introduction video, I chose to use VS Code and downloaded Node.js LTS version. Having watched the video, I now know the basic concepts of Node.js and NPM and how to setup a basic webserver. I committed the work I just did to Bitbucket using Sourcetree.

13.6.2019

Today, I moved on to MongoDB. The installation went quite well. I learned the basics of MongoDB, like how to read, update and delete data etc. When I was done with Mongo, I proceeded to Express.js. I watched halfway through the crash course video, installed nodemon and learned about middleware and Embedded JS. I also committed the work done.

14.6.2019

I finished the Express.js video and learned validate user input with express validator and how to connect a MongoDB database to a Node.js application using MongoJS. After that I committed the work and moved on to Angular tutorial. I scanned through the introduction part of the tutorial to get a glimpse of what is coming next.

24.6.2019

I continued going through the Angular tutorial and got to halfway through it. I learned how to set up the environment, create a new workspace and server the application using the Angular CLI. I was kind of surprised how easy all those things are to do. I also learned how to generate new components, how to use two-way data binding, and how to use `*ngFor` and `*ngIf`. I committed the work done on the new Tour of Heroes App in the “angular”-directory.

25.6.2019

I got through the 3rd, 4th and 5<sup>th</sup> chapters of the Angular tutorial and learned to use property binding, to use a service as a provider, to inject a service into a component, to use observables, to use Angular router etc. Yet again, I didn't face any difficulties as the instructions were clear enough.

26.6.2019

I finished the Angular tutorial and learned to use HTTP in the app. After that, I started watching MEAN Stack tutorial series. I faced some difficulties with jwt's methods *sign()* and *getUserById()*, but I got answers to those problems by reading the comments on that video. I got to the middle point of the series and learned how to set up the back end part of the MEAN.

27.6.2019

I nearly finished the MEAN stack tutorial and learned to set up a login authentication service etc. I faced multiple problems due to the tutorial being made on Angular 2 and me using Angular 8. However, I solved them all by reading the comments and looking for answers from Stack Overflow threads.

28.6.2019

I finished the MEAN stack tutorial and started my own project, though I was a bit short on time. I built the project on top of the MEAN Stack tutorial project and made my own changes and additions.