

Lappeenranta teknillinen yliopisto

School of Business and Management

Hung Nguyen 001736166

LEARNING DIARY

Software Development Skills

10/6 - 12/6

Setting Up Environments:

- Installed Node.js and npm.
- Set up Visual Studio Code as the development environment.
- Configured environment variables.

13/6 - 16/6

Learning Node.js:

- Basics of Node.js and its architecture.
- Working with Node.js modules and npm packages.
- Created simple server with Node.js.

17/6 - 20/6

Introduction to MongoDB:

- Installed MongoDB and learned basic CRUD operations.
- Set up MongoDB Atlas for cloud database management.
- Connected Node.js application to MongoDB.

21/6 - 24/6

Learning Express.js:

- Set up Express.js framework.
- Built RESTful APIs using Express.js.
- Middleware functions and routing in Express.js.

25/6 - 30/6

Introduction to Angular:

- Installed Angular CLI and created a new Angular project.
- Learned Angular architecture and components.
- Built simple Angular components and data binding.

1/7 - 10/7

Developing the Frontend with Angular:

- Created multiple Angular components.
- Implemented services and dependency injection.
- Worked with Angular forms and validations.

11/7 - 20/7

Building the MEAN Stack Application:

- Integrated Angular frontend with Express.js backend.
- Implemented RESTful API calls from Angular to Express.js.
- Connected MongoDB database to the application.

21/7 - 28/7

Finalizing and Testing the Application:

- Conducted thorough testing of the MEAN stack application.
- Debugged and resolved issues.
- Deployed the application to a cloud service (Fly.io).