



# Building Web App using JS

Ardi Imawan, S.Kom, M.Sc  
*CTO DOT Indonesia*

[www.dot.co.id](http://www.dot.co.id)





# Required Software & Tools

1. NodeJS

<https://nodejs.org/en/download/>

2. MySQL

<https://www.apachefriends.org/download.html>

3. Visual Studio Code

<https://code.visualstudio.com/download>

4. Postman

<https://www.getpostman.com/downloads/>



# Workshop Objective

- Pada workshop ini, peserta akan belajar bagaimana membuat aplikasi berbasis web menggunakan Javascript.
- Aplikasi akan dibuat dengan 2 platform :
  - Backend app, menggunakan NodeJS
  - Frontend app, menggunakan VueJS
- Peserta akan belajar bagaimana frontend & backend app berkomunikasi menggunakan API



# Introduction to Javascript

## References :

1. Run nodejs file  
[https://www.tutorialspoint.com/nodejs/nodejs\\_environment\\_setup.htm](https://www.tutorialspoint.com/nodejs/nodejs_environment_setup.htm)
2. Variable & Array  
<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/var>
3. If-Else  
<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/if...else>
4. For, For-in  
<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/for>
5. Function  
<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/function>
6. Callback  
<https://www.sitepoint.com/callbacks-javascript/>



# Building API Service using NodeJS

## References :

- Install Express Generator  
<https://expressjs.com/en/starter/generator.html>
- Routing  
<https://expressjs.com/en/starter/basic-routing.html>
- Connect to DB  
[https://www.w3schools.com/nodejs/nodejs\\_mysql.asp](https://www.w3schools.com/nodejs/nodejs_mysql.asp)
- REST API  
<https://restful.io/an-introduction-to-api-s-cee90581ca1b>



# Building Frontend App using VueJS

## References :

- Vue CLI 3.0  
<https://medium.com/codingthesmartway-com-blog/getting-started-with-vue-cli-3-1aecf529fc71>
- Get Started  
<https://vuejs.org/v2/guide/#Getting-Started>
- Vue-Router  
<https://router.vuejs.org/>
- HTTP Request  
<https://vuejs.org/v2/cookbook/using-axios-to-consume-apis.html>



## PT. DIGDAYA OLAH TEKNOLOGI INDONESIA

**Address:** Graha Iska, 6th Floor, Jl. Pramuka no.165, Jakarta Pusat

**Phone:** +62 21 278 999 09 | **Email:** dearpartner@dot.co.id

[www.dot.co.id](http://www.dot.co.id)

