

Syllabus Full Stack Developer Bootcamp Program

PT. DUMBWAYS INDONESIA TEKNOLOGI



What will You Learn

Our bootcamp had graduated and distribute hundreds of talents to several technology companies in Indonesia! Here You will learn basic coding until server deployment for 2 months. Here's a brief description of everything what will You learn here.

Week 1 - Web Development Fundamental

Frontend Web Development with ReactJs, advance ReactJs and Hooks

Week 2 - FullStack Development

Backend Development with NodeJS, Authentication and Connect Frontend by Consuming API from Backend.

Week 3 - Deployment

Learn to deploy to Linux Server.

Week 4 - Final Project

Invent, Design, Code, Deploy, and Pitching Personal Project (at the end of the week).

Week 5 - Mobile Development Fundamental & useContexts

Frontend Mobile Development with React Native and additional material useContexts

Week 6 - Soft Skill & Prakerja

Soft Skills Training and Improvement of CV + Portfolios and prepare to work in our partner company

Week 7 - Sharing Session & Graduation

New Chapter of Talent's Journey

Week 8 - Hiring Process

Distributing Talent to Hiring Partners

Week 1 - Web Development Fundamental

Being a FullStack developer means have to understand almost all aspects of development. One of the most important and the industry looking for right now is Web Development! You will learn ReactJs to build a Web Platform. For this bootcamp, we will only focus on Web development, but it does not exclude the possibility if you want to learn more about Mobile.

What will you learn in ReactJs Fundamental:

- Installation
- Component & Lifecycle
- Events
- Props
- State
- Styling
- React Bootstrap
- React Router DOM
- Array Map

What will you learn in Advance:

- Context
- HOC (Higher-Order-Components)
- Typechecking with PropTypes
- Refs and the DOM
- Uncontrolled Components

What will you learn in Hooks:

- Introduction
- Using the State Hook
- Using the Effect Hook

Individual Project: Create Web Ui & Ux using ReactJs with static data. Case studies are determined by the Mentor. Push Code to Github!

Pitching Project: At the end of the week

Week 2 - FullStack Development

You already understand how to build Frontend UI & UX on the Web platform. But the data on the application are still static. Backend is needed so the data you get will be dynamic and You will be taught to connect Frontend and Backend.. Here is what will you learn in developing the Backend Application:

- Rest API Concept
- NodeJs & Express Installation
- Migration, Routing, ORM, Model, and Controller
- Authentication with JWT and Hapi Joi
- LocalStorage for JWT Authentication token storage, etc
- Axios to Access Private API on Frontend Client

Individual Project: Make the following REST API Authentication use Express. Study case is determined by the Mentor. Push Code to Github!

Pitching Project: At the end of the week

Week 3 - Deployment

Deploy Backend to Linux Server. Here is what will you learn:

- Basic Security
- Deploy Backend to Heroku
- Deploy Frontend to Netify

Individual Project: Deploy your project Frontend to Netify and NodeJs Backend to Heroku. Case study is determined by the Mentor. Push Code to Github.

Pitching Project: At the end of the week

Week 4 - Final Project

You are expected to master FullStack development. We will provide the Final Project with a unique Case Study like making the web version of Netflix Clone, Mami Kos Web Version and others. This project must be done by yourself!!

Individual Project: Inventory, Design, Code, and Deploy FullStack the web with ReactJs + Hosted Backend NodeJs + Redux + Plugins. Case studies are determined by the Mentor. Push Code to Github!

Pitching Project: At the end of the week

Week 5 - Mobile Development Fundamental & useContexts

Mobile Development is one of the most important and industries needed nowadays besides web development! You will learn React Native to build a good Mobile Platform on Android or iOS. In this material, we will only focus on Android development, but it is also possible if you want to learn more about iOS. Anyway, coding in React Native is already multiplatform by default, so you just simply adjust to your needs.

Here what will you learn in React Native Fundamental:

- Installation
- Component & Lifecycle
- Events
- Props
- State
- Styling
- Nativebase Card, Form, List, Etc
- React Navigation
- Array Map and Flatlist from array, state, and props
- Additional material useContext for functional Component

Week 6 - Soft Skill & Prakerja

You will take part in Soft Skills Training and Completion of CV + Portfolios for the smooth distribution process to Hiring Partners and prepare to work in our partner company.

This pre-employment activities like:

- Interview simulation
- Presentation simulation
- Technical interview simulation
- Live Code Simulation

Week 7 - Sharing Session & Graduation

Sharing Session with DumbWays Guest Speaker, certificate handover, taking Group Photos, and others.

Week 8 - Hiring Process

This week, hopefully all talents are distributed in Hiring Partners. Congratulations and success!

Daily Activities

09:00 - 12:00

Material for the Morning, and Free Snack if onsite

12:00 - 13:00

Rest, Praying, and Lunch

13:00 - 15:00

If onsite continuing Material or Working Tasks / Project if online, immediately do the task and don't forget to pray

15:00 - 16:00

If onsite Coffee Break, and Praying

16:00 - 17:30

Doing Tasks / Projects

17:30 - 19:00

Coffee Break and Dinner

Night

Time for a REST (API)

The background of the slide is a solid pink color, decorated with several large, semi-transparent, organic shapes in shades of red and pink. These shapes are scattered across the slide, with some in the top left, top center, and bottom right areas.

THANK YOU

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