

Stage 1

Week 1-2 :

- **Day 1 & 2 - Website Development Introduction**
 - VS Code Setup & HTML Dasar
 - Semantic HTML
 - CSS, External Libraries, Bootstrap, Flexbox
 - CSS Basic
 - Bootstrap Grid System & Responsive Layout
 - Bootstrap Components (Buttons & Cards)
 - Git & Github
 - Git Branching
 - Netlify
- **Day 3 & 4 - JavaScript Basic**
 - Tipe Data & Variabel
 - Function
 - Looping
 - Dynamic Rendering & Handle Form
 - DOM (Document Object Model)
 - Event Handling (Click, Submit, Change)
 - JavaScript ES6 Template Literal Strings
- **Day 5 & 6 - JavaScript Intermediate**
 - Array Basic
 - Array Methods
 - Object Basic
 - Array of Object & Object Function
 - Operators
 - Conditional
 - Local Storage
 - Storage & Data JSON
 - Persist State
- **Day 7 & 8 - HOF & Callback**
 - High Order Function
 - Built-in HOF
 - Callback Function Usage
- **Day 9 & 10 - TypeScript**
 - Intro to TypeScript
 - Run TypeScript
 - Basic Types & Type Inference

- Interface vs Type Alias
- Functions in TypeScript
- Union Types & Optional Properties

Week 3:

- **Day 1-5: Final Project**
 - Membuat Personal Website
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Stage 2

Week 4:

- **Day 1 - React Basic Setup & Component Fundamentals**
 - Setup React project using Vite
 - Folder Structure (components, pages, utils)
 - JSX Basic & Functional Components
 - Props & State basic using useState
 - Event onClick
 - Conditional Rendering using ternary operator and short-circuit evaluation
- **Day 2 - Routing, Tailwind CSS, ShadCN UI Components**
 - React Router Setup & basic routing implementation
 - Tailwind CSS Setup & ShadCN UI
 - Customizing Tailwind Theme (extend color, font, spacing)
 - Page styling using Tailwind's utility classes
 - ShadCN UI Component utilization (button, card, etc)
- **Day 3 - State Management, Hooks, Controlled Form, API Integration**
 - useState implementation on controlled form
 - Controlled Form
 - Event Handling (onClick, onChange)
 - Debouncing concept
 - API Fetching using useEffect
- **Day 4-5 - Project 2 - WatchList**
 - Membuat website untuk list daftar film yang sedang/sudah ditonton

Week 5:

- **Express.js Fundamentals & Routing**
 - ExpressJS Introduction
 - Request, Response, Routing

- CRUD & Form Handling
 - Async/Await Functions
 - Dynamic Routing
- **Database PostgreSQL & SQL Operations**
 - Database Intro
 - ERD, DDL, DML
 - Database Structure
 - Database Operation
 - CRUD Implementation
 - Flash Message
- **Express.js with TypeScript**
 - Setup
 - Ts-node-dev
 - Modular Route & Controller
 - Handling Request
- **Prisma ORM Integration**
 - Prisma Setup
 - Database Migration
 - Create Data
 - Read Data
 - Detail Data
 - Update Data
 - Delete Data
- **Query Optimization & Relationship**
 - Modeling Relations
 - Filtering & Sorting
 - Pagination
 - Inclusion
- **Middleware & Error Handling**
 - Prisma Transactions
 - Custom Middleware
 - Global Error Handler
 - Input Validation (Zod)
- **Auth, Authorization & File Handling**
 - Password Hashing
 - JWT Authentication
 - Authentication Middleware
 - Role-Based Authorization

- File Upload (Multer)
- **React Context, Global State Management, CRUD Operation**
 - React Context API for Global State Management
 - CRUD Operation on React
 - Optimistic update
- **Advanced Styling, Authentication, Private Route, Data Fetching**
 - Advance styling using Tailwind CSS and ShadCN UI
 - API data fetching using fetch or Axios
 - Basic authentication (token login and token storage in Local Storage)
 - Private Route Concept

Week 6 & 7 : Project 3 - Management App

- Membuat website management untuk order, servis, dan customer
- Menggunakan Axios, Zod

Week 8 :

- **React Native Intro**
 - Introduction
 - Core Components
 - SafeAreaView
 - Flexbox
 - Stylesheet
 - FlatList
- **React Navigation**
 - Navigation
 - Passing Parameters & Custom Header
 - Bottom Tab Navigator & Nesting
- **React Native Styling**
 - Nativewind Setup
 - Styling Header
 - Styling Cards
 - State Management (Context API / Zustand)
- **Integrating API with React Native**
 - API & Login
 - Logout
 - Fetch Data & Pull Refresh
 - Linking API

- Expo-barcode-scanner
- **Project 4 - Management app Mobile**
 - Buat project 3 menjadi react native app, tidak perlu semua menunya.

Week 9 & 10:

- **Project 5 - Customer Facing App**
 - Implementasi Payment Gateway Midtrans
 - Implementasi Realtime menggunakan webshocket/shocket.io

Week 11 :

- Technical Interview (via tembus kerja)
- Presentasi/Pitching proyek 3 -5
- Live Code
 - Full Stack Live Code
 - Logic Live Code

Week 12 - finish :

Soft-Skill

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