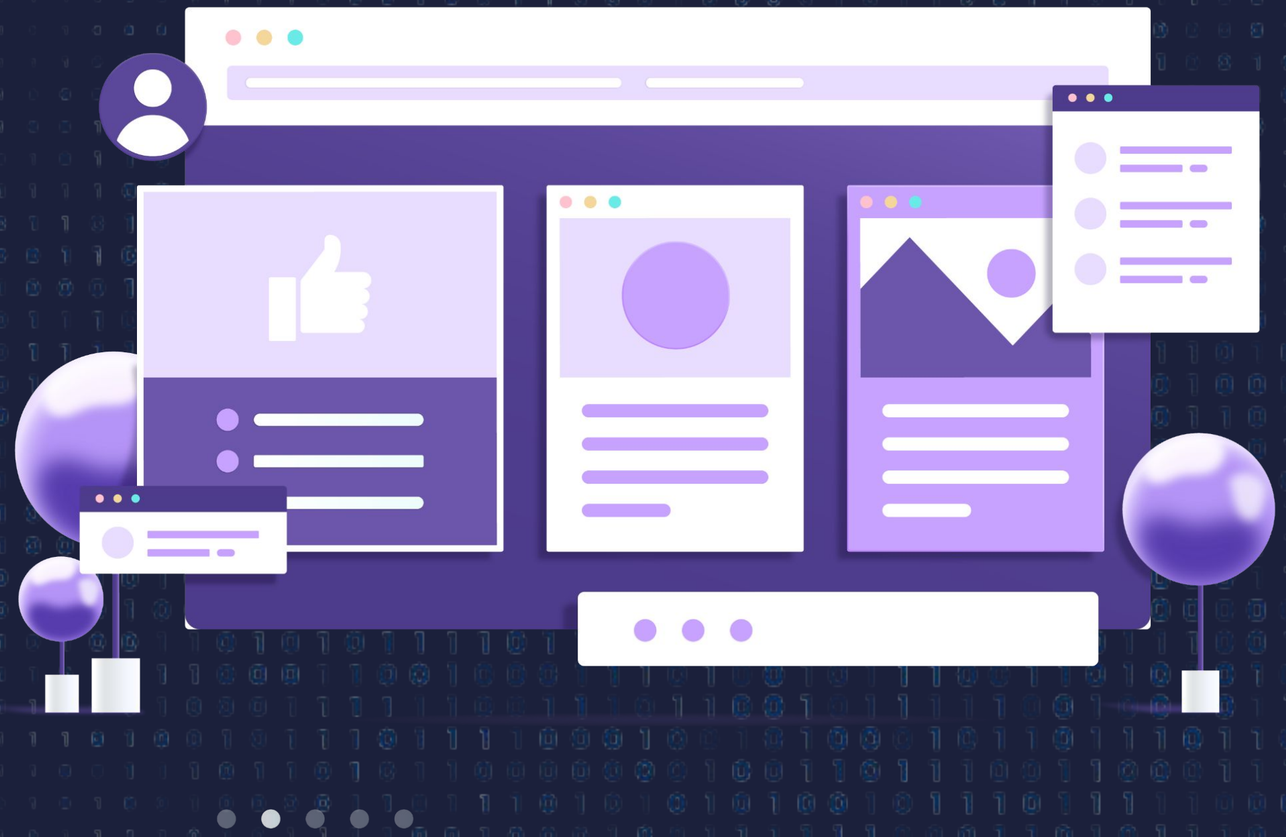
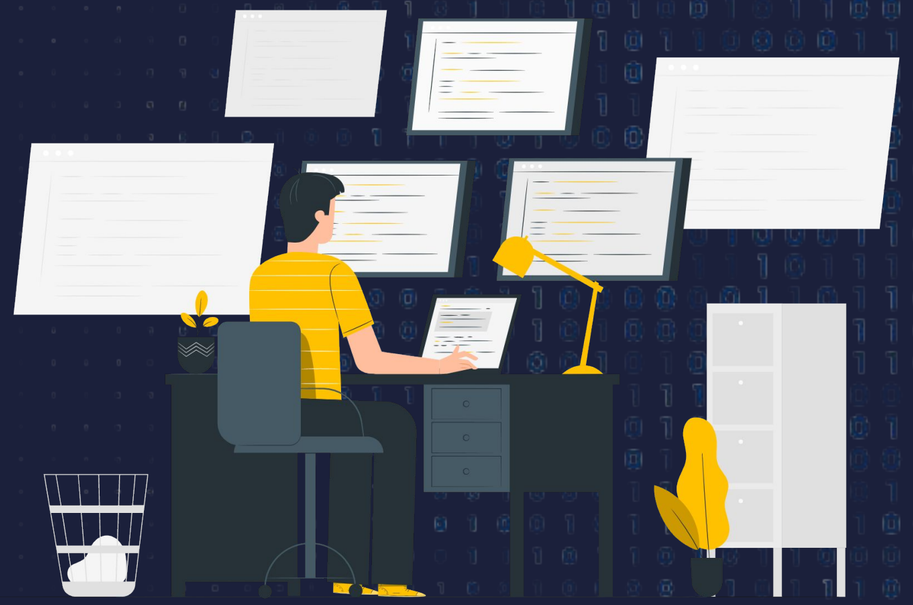
PW SKILLS

Introduction to Full Stack Web Development Course



Sigma 2.0

Walkthrough with the frontend web development



Getting Started with Web

- Introduction to web
- Getting started with HTML and Emmet
- HTML elements and attributes
- Media and Forms
- Semantic Tags and Accessibility in HTML

Getting Started with Style

- Introduction to CSS
- CSS selectors and combinators
- Positions in CSS
- Flexbox in CSS
- Grid in CSS

Version Control Systems (VCSs)

- Introduction to version control systems (Git)
- Introduction to GitHub

Vanilla JavaScript

- **JavaScript Fundamentals - 1**
  - Introduction to JavaScript
  - JavaScript Variables, data types, and operators
  - Loops in JavaScript
  - JavaScript Function
- **JavaScript Fundamentals - 2**
  - Array
  - Object
  - DOM Manipulation

Advanced JavaScript

- Error Handling
- HOF and Functional Programming
- Call stack, event loop
- ES 6
  - Arrow functions
  - Destructuring
  - Classes
- Asynchronous programming
  - Callback / Promise and async/await

React JS

- **Walkthrough with React**
  - Introduction to react
  - JSX
  - Functional Component
  - React Hooks
  - React router dom
- **Form Handling**
- **React with Tailwind**
- **Handling API**
- **State Management using the redux toolkit**

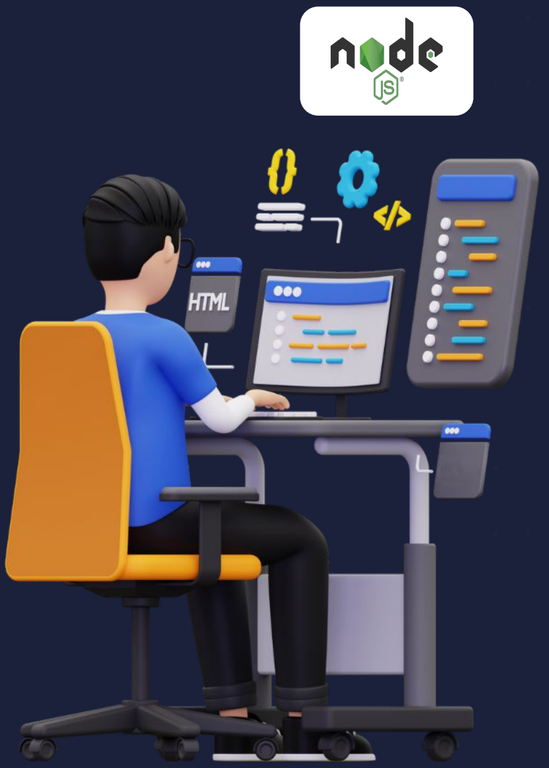
Networking

- Introduction to Internet and networking
- Introduction to browsers
- Introduction to client and server

Walkthrough with the backend web development

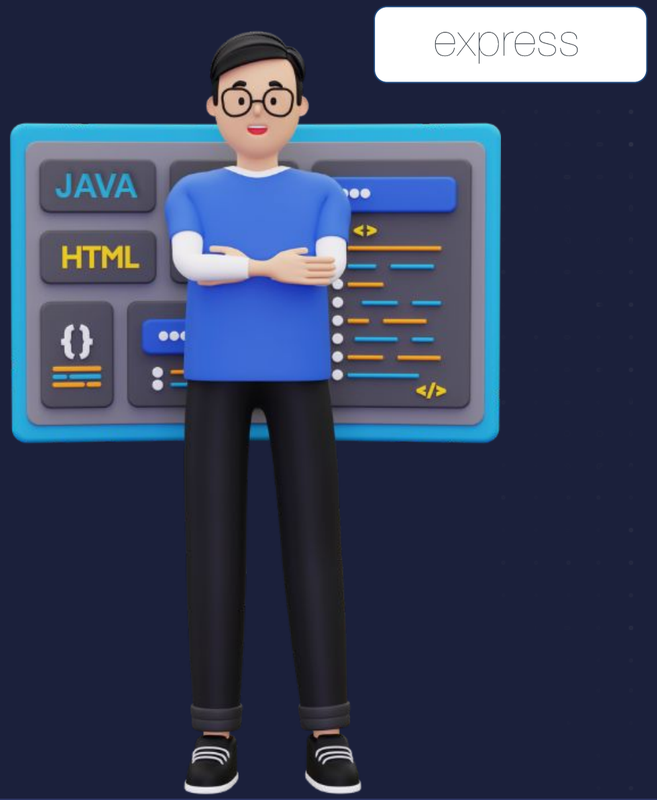
NodeJS

- Fundamentals of NodeJS



ExpressJS

- Walkthrough with ExpressJS
- Fundamentals of ExpressJS
- CRUD with Express
- Auth with Express



MongoDB

- Introduction to database
- ORM vs ODM
- CRUD operation

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THANK YOU