



# AWS Amplify

# What will we cover?

- **Deploy static website with Amplify from GitHub**
- **Automatic deployment**
- **Custom Domain**
- **React ToDo App**
- **Changes in FrontEnd & BackEnd**
- **Amplify Local ENV + Cloud Sandbox**



**Amplify is a platform that simplifies**

- **Building**
- **Deploying and**
- **Hosting full-stack web and mobile apps.**

MPRASHANT



HTML, CSS, and JavaScript frameworks (e.g., React, Angular, Vue.js).



Python, Node.js, Java, or PHP, along with frameworks such as Express, Django, or Spring Boot.



MySQL, MongoDB, PostgreSQL



Swift



Android



Java



Kotlin



Javascript



React



Flutter



Angular



Vue



Hugo



Jekyll



Gatsby



## Amplify Key Points

- **Connects to backend services like user login, data storage, and APIs.**
- **Offers hosting and automatic updates for web apps.**



## **Amplify Benefits**

- **Speeds up app development with built-in tools.**
- **Provides scalable backend services that can grow with your app.**
- **Simplifies cloud integration, making it easier for beginners and experienced developers.**

## How Amplify Fits Into the Workflow

### Frontend (React):

- **Authentication:** Pre-built UI or API for user sign-in/sign-up.
- **API Integration:** Easy calls to backend services (GraphQL or REST).
- **File Storage:** Upload/download files directly from AWS S3.

### Backend (AWS Services via Amplify):

- **Authentication:** AWS Cognito (auto-configured).
- **Database and API:** DynamoDB + AppSync (auto-configured GraphQL API).
- **File Storage:** AWS S3 for images and files.

### Hosting:

- Managed hosting with Amplify Hosting for CI/CD pipelines and live deployment.







