

Front-end Micro-module Framework



Overview

Explore the top 10 micro frontend frameworks for building scalable web apps in 2025. Discover tools like Single-SPA, Module Federation, and Bit. dev to future-proof your frontend development. And today, in this comprehensive hands-on tutorial, I want to share my expertise and tell you more about micro-frontend architecture—method by method—with code, tradeoffs, visuals, and real-world insights. What are Micro Frontends For?

What are Micro Frontends For?

In traditional frontend. Micro-frontend architecture is an architectural style where a front-end application is decomposed into smaller, more manageable pieces (micro-frontends), each developed and deployed independently by different teams. Each team can own its own features end-to-end, work in their own codebase, independently release versions, constantly deliver small incremental upgrades, and also integrate with other teams via.



Article Content

Create a portal for micro-frontends by using AWS

This document describes how to create a micro-frontend architecture by using AWS Amplify, the Angular frontend framework, and Module Federation. In this pattern,

Micro Frontends

In this article we'll describe a recent trend of breaking up frontend monoliths into many smaller, more manageable pieces, and how this

Micro Frontend Architecture | Nx

Micro Frontend Architecture Nx provides out-of-the-box Module Federation support to both React and Angular. The Micro Frontend (MFE) architecture builds on top

Top 10 Micro Frontend Frameworks for Scalable Web

Explore the top 10 micro frontend frameworks for building scalable web apps in 2025. Discover tools like Single-SPA, Module Federation, and

A Comprehensive Guide to Micro Frontend Architecture

It provides a flexible and agnostic approach to composition, allowing teams to use different frameworks for individual micro frontends. 4.2 Webpack

Building Scalable and Modular Web Applications with React, Micro ...

Micro frontends using module federation can be a powerful approach for building scalable and maintainable web applications, especially in large and complex projects.

The Case for Microfrontends and Moving Beyond One

Are micro-frontends tied to a specific framework like React or Angular? No. One of the strengths of microfrontends is framework agnosticism

11 Micro Frontends Frameworks You Should Know

There are many approaches to micro frontends, from smart build-time integrations of components to run-time integrations using custom routers. In this

Micro Frontend Architecture: How to Implement with Module

This guide shows you how to implement micro frontends using Module Federation and Single-SPA with practical code examples. You'll learn to build a complete micro frontend system,

Micro Frontend Architecture | Nx

Explore how Nx supports Micro Frontend architecture with Module Federation, enabling independent deployment while managing associated challenges.

Micro Frontend Architecture: A Detailed Guide

A Guide to Micro Front-end Architecture: Learn about the advantages, implementation, and other aspects of micro front-end for creating

Microfrontends That Don't Hurt: Module Federation,

We'll ground everything in practical, modern tooling: Module Federation for runtime composition, Web Components for framework-agnostic

Build a micro-frontend application with React

Learn to build scalable micro-frontend applications using React, discussing their advantages over monolithic frontend applications.

What are Micro Frontends?

Among the more widely accepted frameworks at the moment, there is a concept known to be a Micro Frontend. The technique extracts the ideas from microservice architecture in the backend

The Micro-Frontend Architecture Handbook

Piral is a specialized framework for building portal-based micro frontends. It provides a structured environment where micro apps (called pilets)

How To Implement Micro-Frontend Architecture With

Micro frontends have been implemented for at least two years and it is still a green field. Have you ever wonder are there any frameworks or libraries

Micro-Frontend Architecture with Module Federation

Micro-frontend Architecture Module Federation: The Glue for Micro-Frontends Module Federation is a Webpack 5 feature that allows JavaScript

Best 5 Micro Front-end Frameworks Every Developer

These frameworks have all the necessary tools, patterns and conventions to build modular, scalable and maintainable web applications with

Micro Frontend Architecture: What, Why, When and

Micro frontends break down monolithic frontend applications into smaller, more manageable modules. Here's how and when to use them.

Micro Frontends with Module Federation:

Learn how to build scalable apps using micro frontends with Module Federation. A step-by-step guide for modern website development.

Best 5 Micro Front-end Frameworks Every Developer

Here, we delve into the top five micro frontend frameworks that every developer should know in 2024. 1. Module Federation. Overview: Introduced

Micro-Frontend Architecture with Module Federation

With the rise of modern frameworks, Module Federation, introduced by Webpack 5, has become a powerful tool to implement Micro-Frontends

Micro Frontend Architecture: When and How to

Summary Micro frontend architecture offers a powerful solution to the challenges of modern frontend development. By decomposing frontend

11 Micro Frontends Frameworks You Should Know

11 Micro Frontends Frameworks You Should Know Discover the best tools to help you build great micro frontends. Breaking down the long-lived back

Micro Frontends

Micro Frontends Good frontend development is hard. Scaling frontend development so that many teams can work simultaneously on a large

Micro-Frontends in Practice: Building Modular

Learn how to implement micro-frontends that scale from Module Federation to Web Components, communication patterns, shared design

7 Best Micro Frontend Frameworks for 2024

Discover the latest in web development with our top picks for micro frontend frameworks in 2023. Elevate your UI and stay ahead in the game!

Micro-Frontends

Understanding Micro-Frontends Webpack5 Module Federation configurations Step by Step Micro Frontends by Martin Fowler 11 Micro Frontends Frameworks You

What are Micro Frontends and When Should You Use

Micro frontends break down a web application into smaller, autonomous modules or functions. This blog explains the key concepts of micro

Exploring Micro Frontend Architecture: A

Discover the ins and outs of micro frontend architecture for improved scalability and agility in web development. Learn how to implement and reap the

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