



Journey to Micro Frontends

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About the book

Journey to Micro Frontends teaches you the fundamentals of Micro Frontend into practice. You will build a real world application along the way in ReactJS, Webpack Module Federation, Redux, RxJS. Everything from project setup to deployment on a server will be explained. The book comes with additional referenced reading material and exercises with each chapter.

In the Journey to Micro Frontends, I want to offer a foundation before you start to dive into the broader Micro Frontend ecosystem. It explains general concepts, patterns, and best practices in real world Micro Frontends architecture.

You will learn how to setup your own Micro Frontend. It covers real world features like concept of a fragment, downsizing of Frontend and combine multiple Micro Frontend. Additionally you will transition from a Monolithic application to Micro Frontend architecture.

What you can expect (so far...)

- Routing, client-side composition, communication
- Migrating to Micro Frontend architecture
- User Interface Design
- Optimising for performance and asset loading
- Setting up your first Micro Frontend project
- Team and Boundaries
- Which Architecture Fits My Project

What are Micro Frontends?

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This chapter covers:

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Overview

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Teams & Software Systems

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Team Requirements

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Cross-Functional Teams

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The Frontend

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Project ownership by page

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Fragments

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Frontend Module Loader

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Routing and Page Transitions

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Composition

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Communication

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Shared Topics

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Web Performance

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Design Systems

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Sharing Topics

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What problems do Micro Frontends solve?

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Increases feature development

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Say Goodbye to Frontend Monolith

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Routing client-side composition

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Terminology

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Application Shell With Routing

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