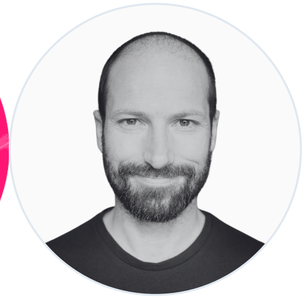
Creating Micro-frontends with React

Understanding Micro-frontend Architecture



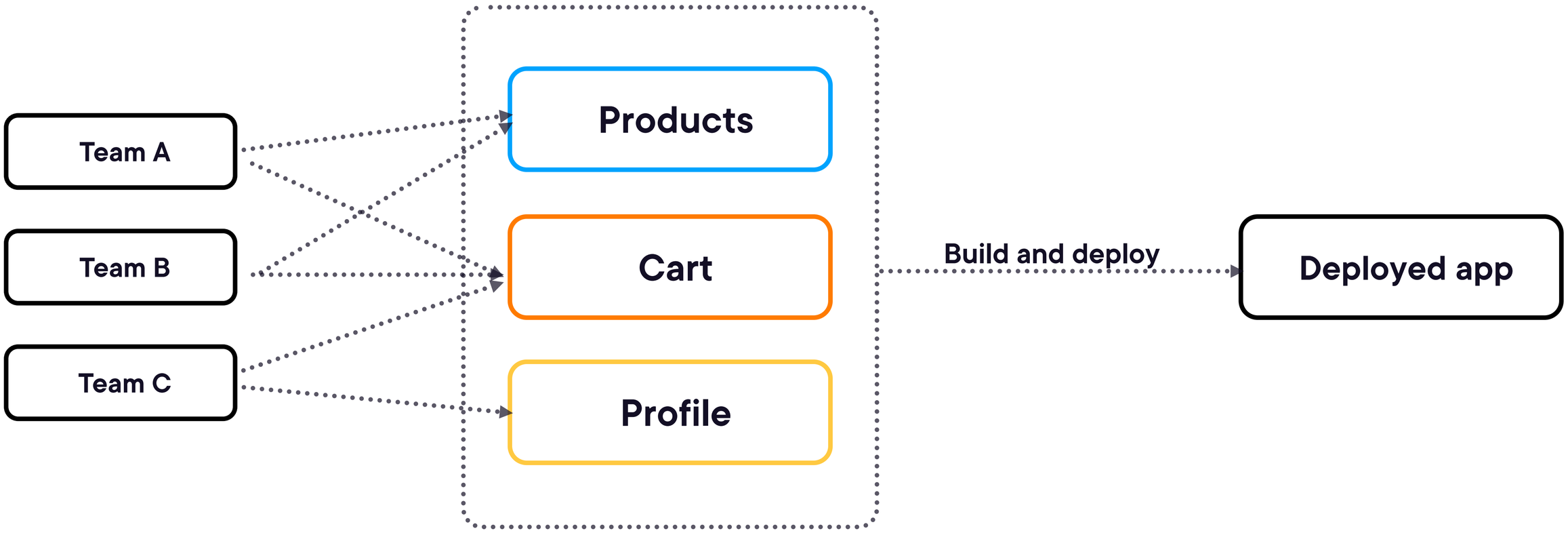
Hendrik Swanepoel

Software Engineer @ Canva

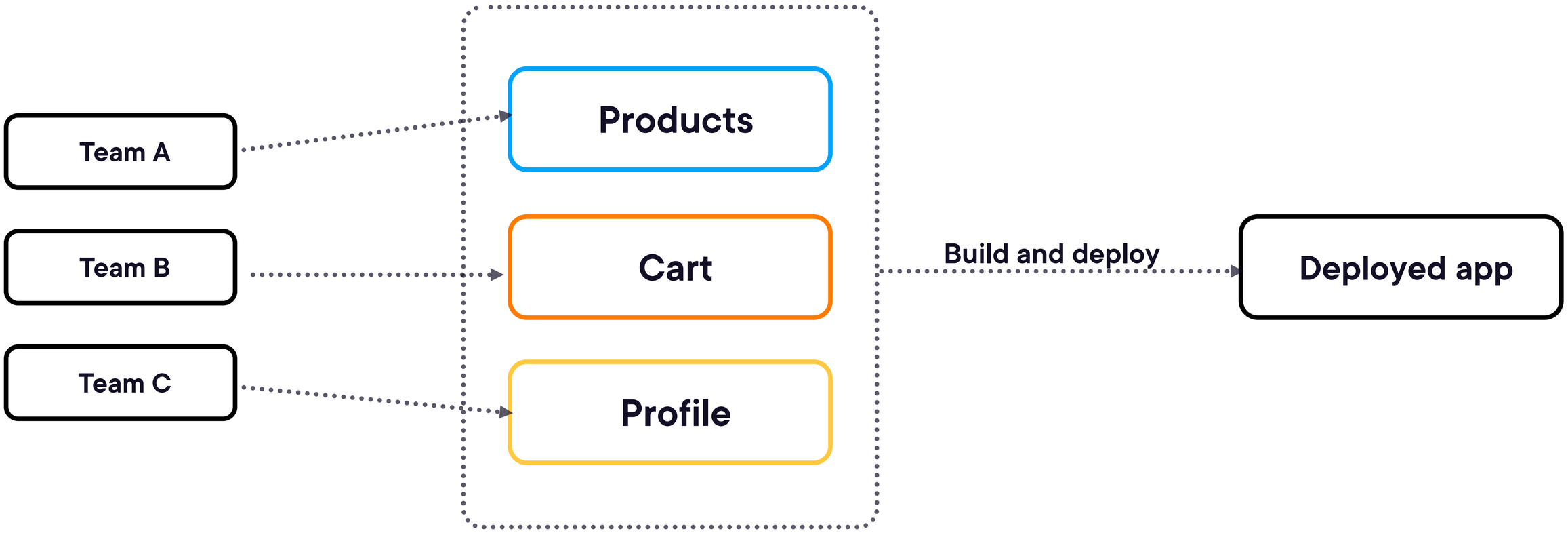
@hendrikswan

What Are Micro-frontends and Why Use Them?

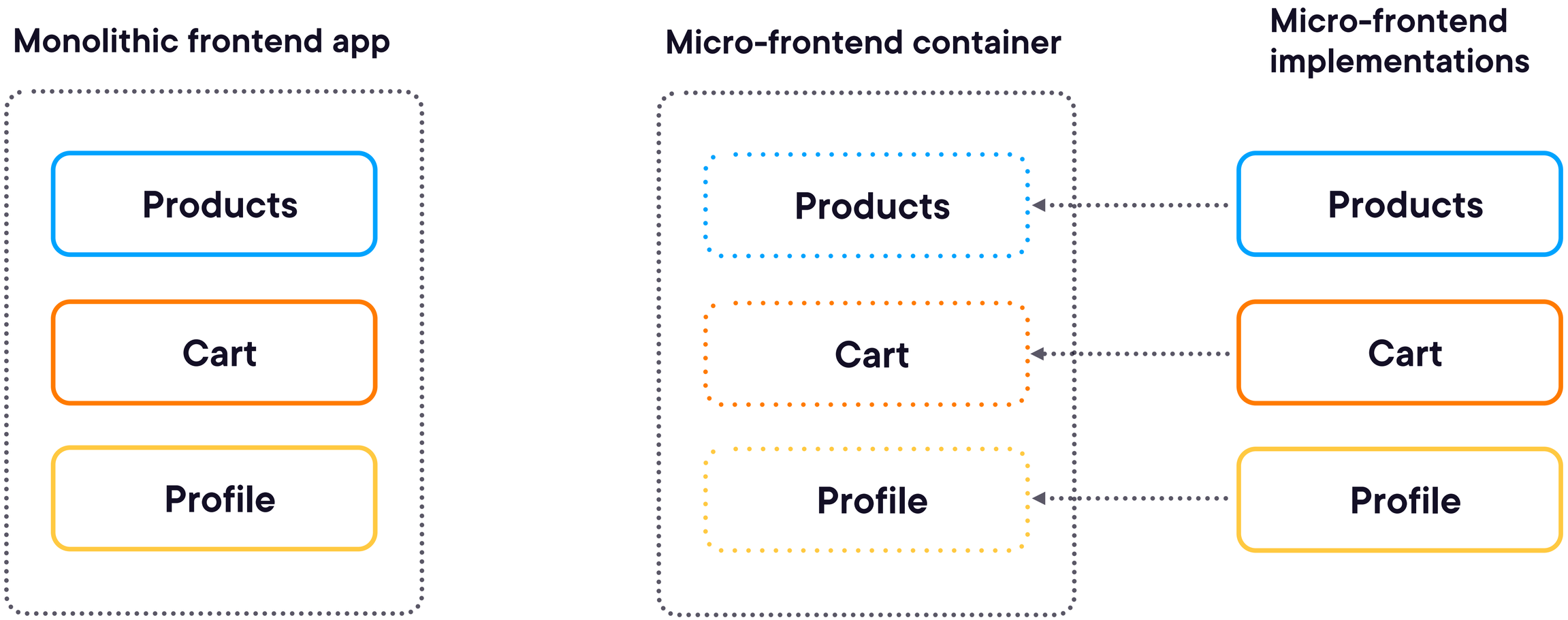
Monolithic Architecture



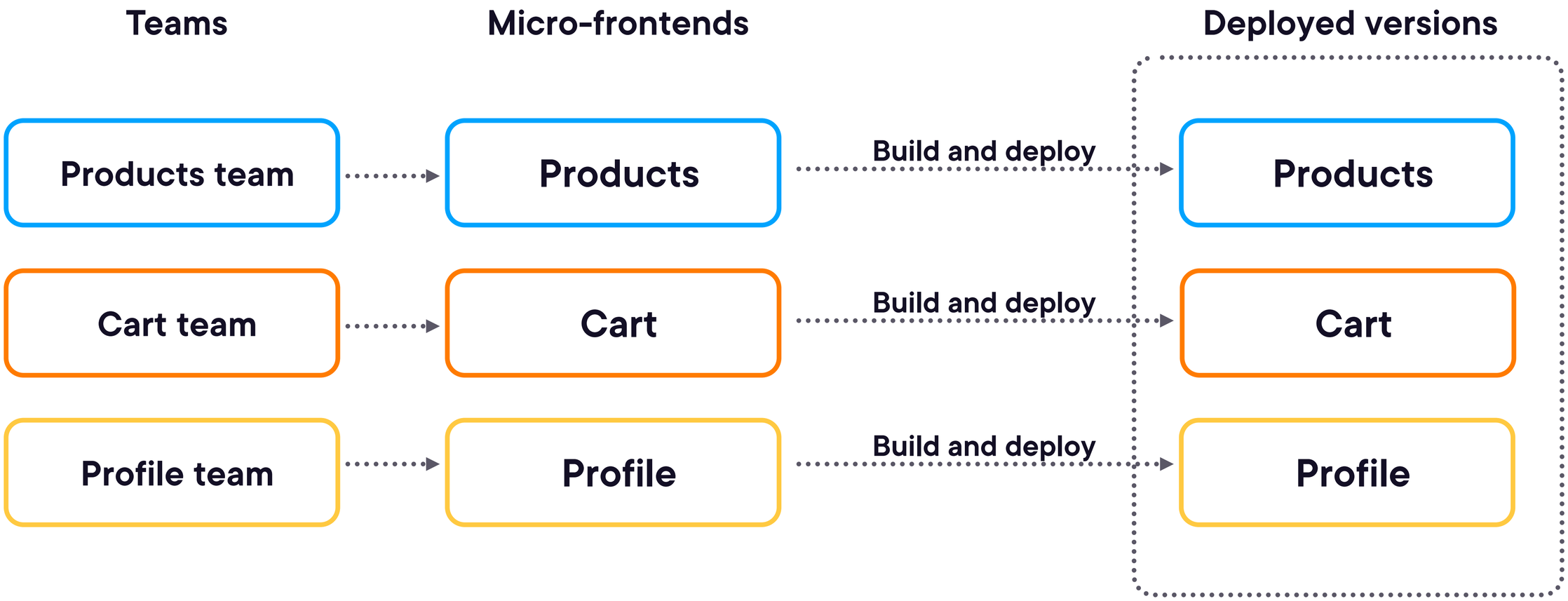
Monolithic Architecture - Feature Teams



Monolithic app vs. Micro-frontend App



Micro-frontend Architecture Deployment



Benefits of Micro-frontend Architecture

Independent deployment

Team autonomy

Technology flexibility

Module Federation

Key Concepts in Module Federation

Host (Container) application

Remote applications

Shared dependencies

Dynamic code loading

Runtime integration

Types of Micro-frontend Architecture

Build-time integration

Runtime integration

Module federation

Course Project Overview