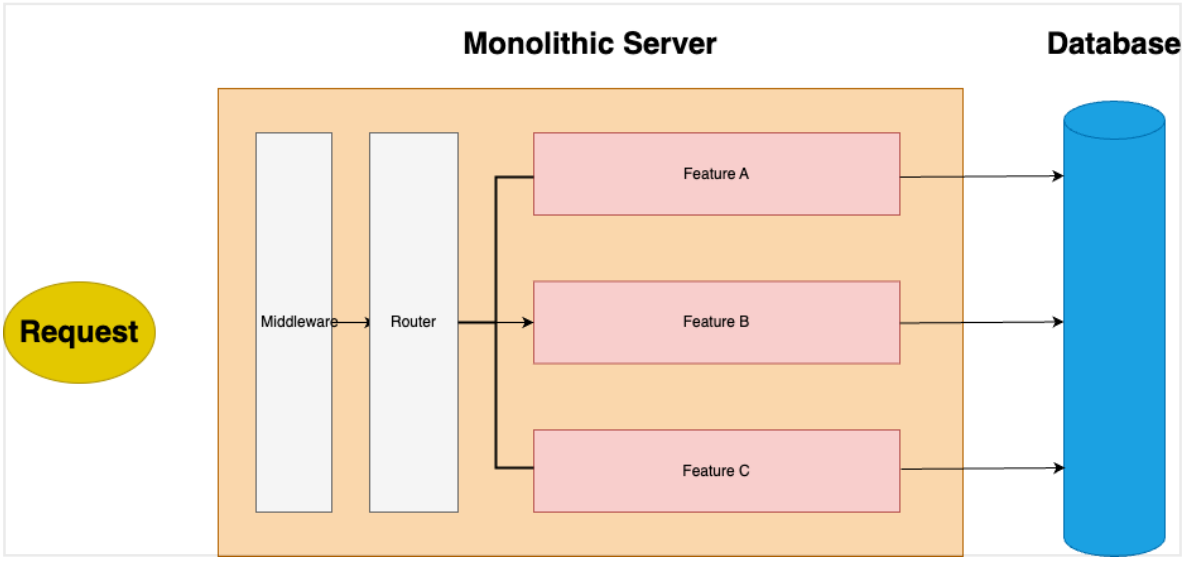
927 Microservices design and implementation

What is Microservice Design

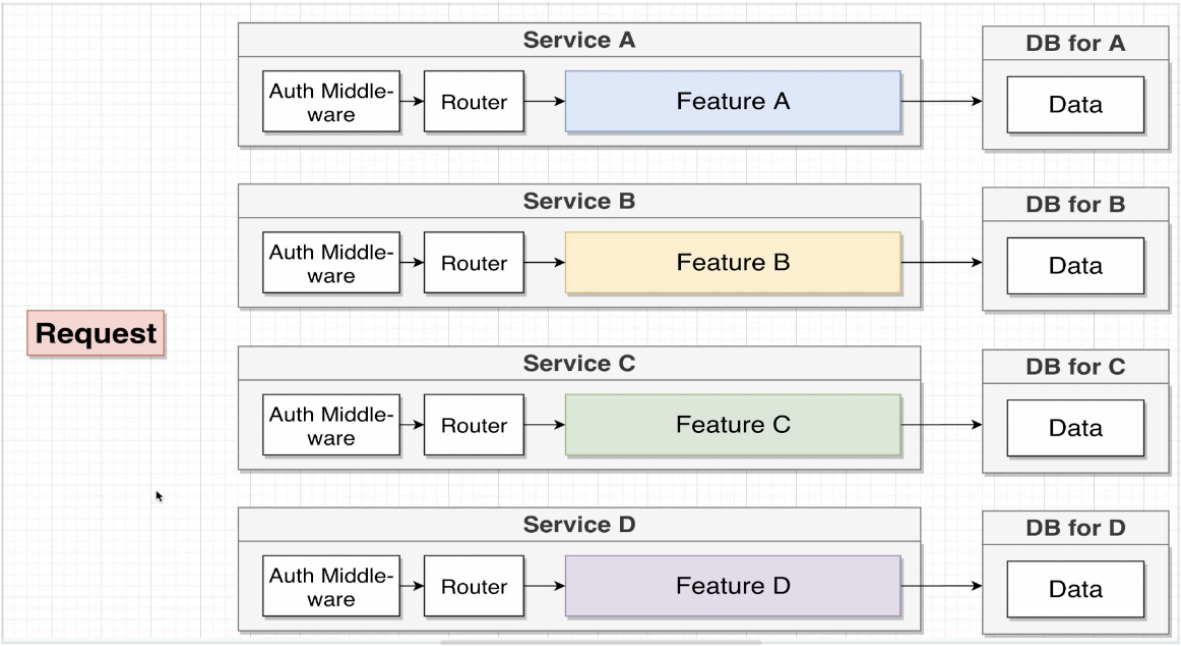
A monolith contains:

Routing, Middlewares, Business Logic, Database access.



Microservice

Microservices are an architectural style in which a single application is divided into a collection of small, independent services. Each service is responsible for a specific functionality and can be developed and deployed independently.



Tech Skills

JavaScript, Node.JS, npm, Express

NodeJS
Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient.

npm
package management for JavaScript

Express
Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.

With a myriad of HTTP utility methods and middleware at your disposal, creating a robust API is quick and easy.

Express is a lightweight and flexible routing framework

Why Node.JS

1. A wealth of open-source libraries and frameworks, such as Express.js and NestJS, support rapid development.

2. The ability to use the same language (JavaScript) for both frontend and backend development simplifies the technology stack and increases development efficiency.