NEXT.JS

Full stack framework

Fabio Biondi

Learn by do.ing

Fabio Biondi

Freelance

Front-end **Trainer**

Google Expert (Angular)

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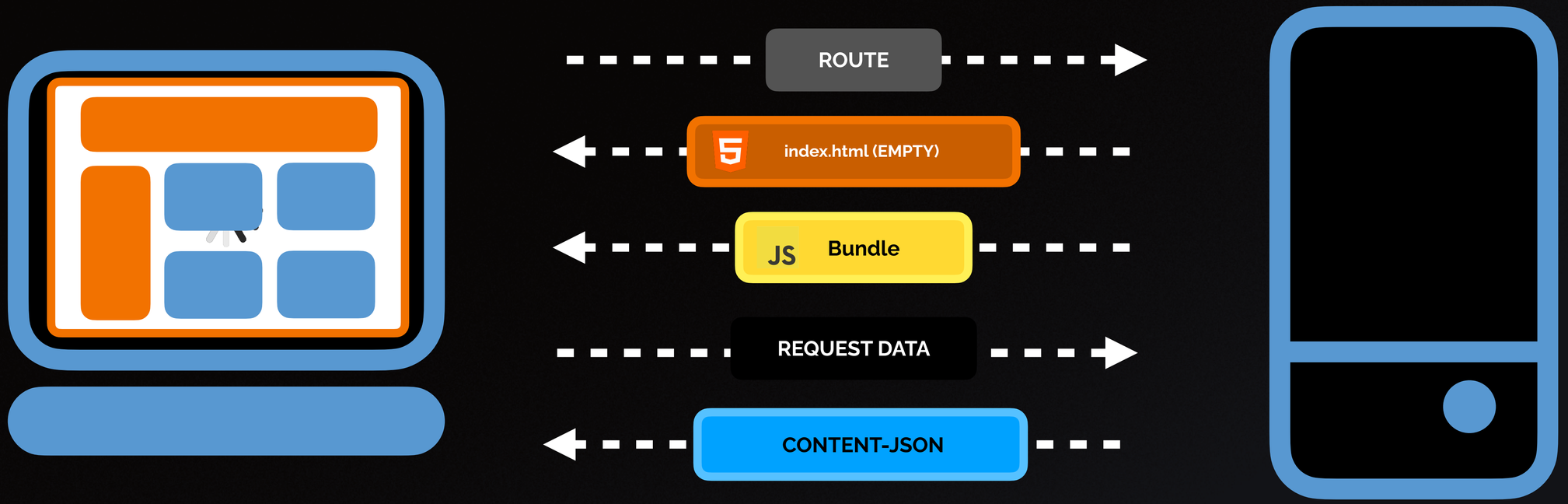
CLIENT SIDE RENDERING | SPA



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Pre-Render strategies

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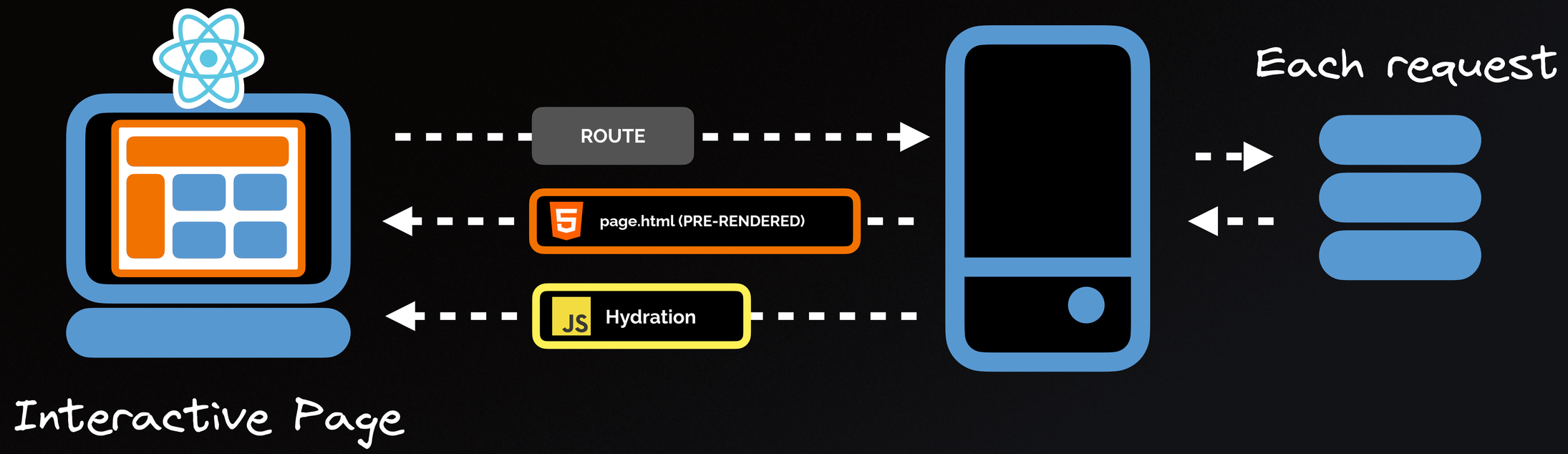
SSR | SERVER SIDE RENDERING



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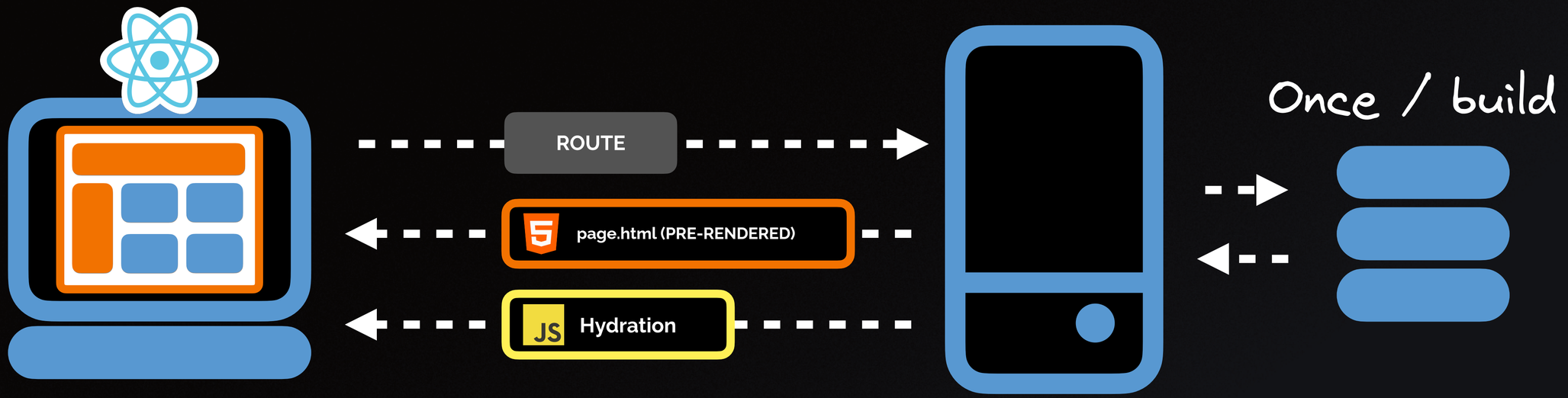
SSG | STATIC SITE GENERATION



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NEXT Most interesting Features

- React Based
- Rendering Patterns: SSR, SSG, ISR, SPA
- Server & Client Components
- (File system) Router
- Full Stack Framework
- Metadata & SEO
- Images, Font, JS, CSS Optimizations
- Markdown (MDX) support

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Use case in NEXT

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NEXT Most interesting Features

- Landing Pages
- E-Commerce
- Marketing Pages
- ...

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Server vs Client Components

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```
<NavBar>
  <Search />
</NavBar>

<LatestPosts />

<GoogleMap />

<LatestNews />

<NewsLetter />
```

Client Component

Server Component

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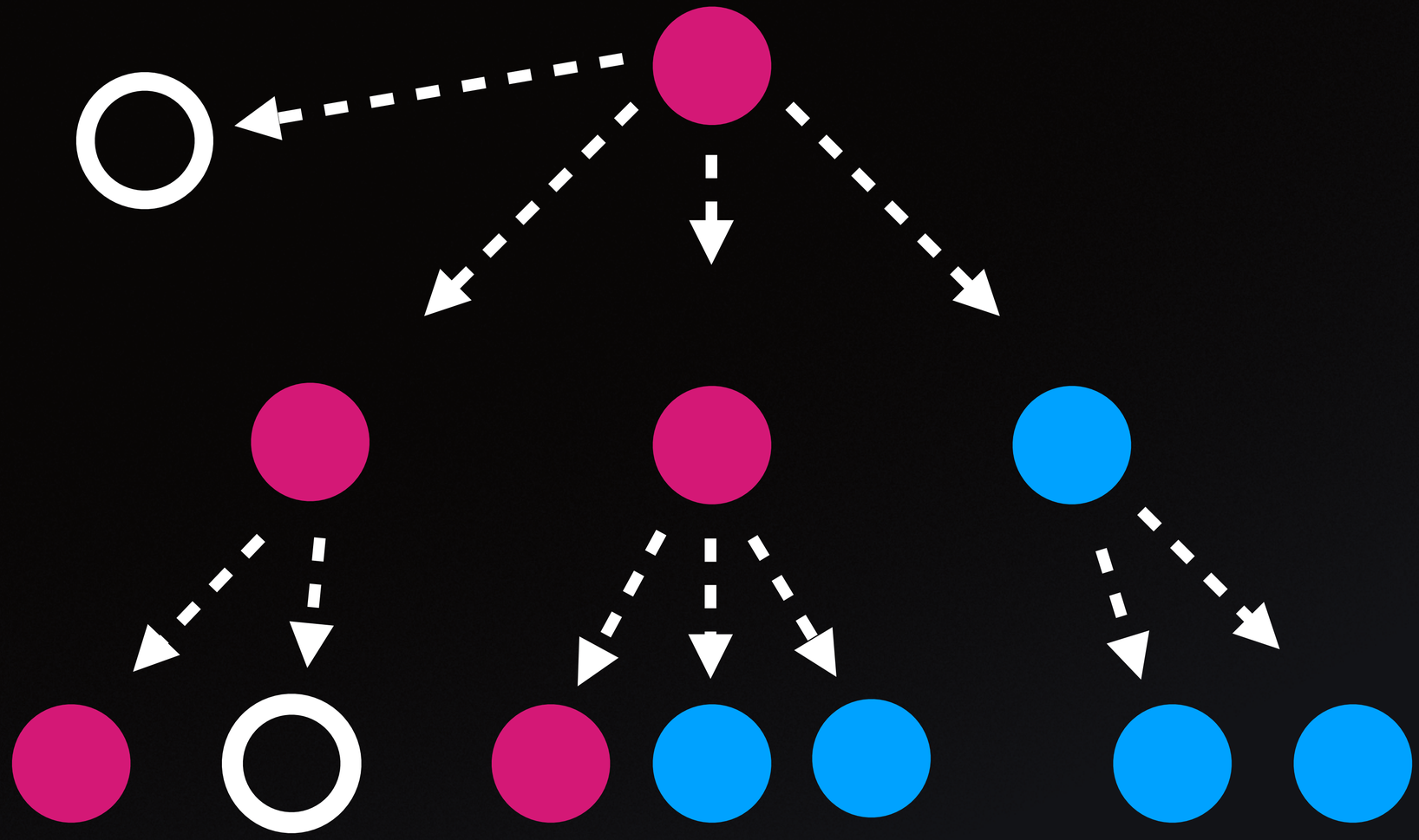
Client & Server components



Static Component

Client Component

Server Component

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SERVER COMPONENT: PROS

1. Can render content (HTML) on server
2. Improve Core Web Vitals
3. Direct access to DB and OS
4. 3rd party utils don't increase the bundle
5. Define how page should be pre-rendered

   static (SSG), dynamic (SSR), incremental (ISR)

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Next: cons

- Complex Architecture
- Required NodeJS
- Weird Errors
- Compile Time

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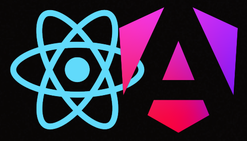

NEXT.JS

SEO / SSR support	😐	✅
JS Features	✅✅	✅
UI Flexibility	✅	🙂
CWV / Performance	🙂	✅
Markdown Support	❌	🙂
Ecosystem	✅	✅✅
FullStack	❌	✅

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