MERN

MongoDB Express React Node

Me

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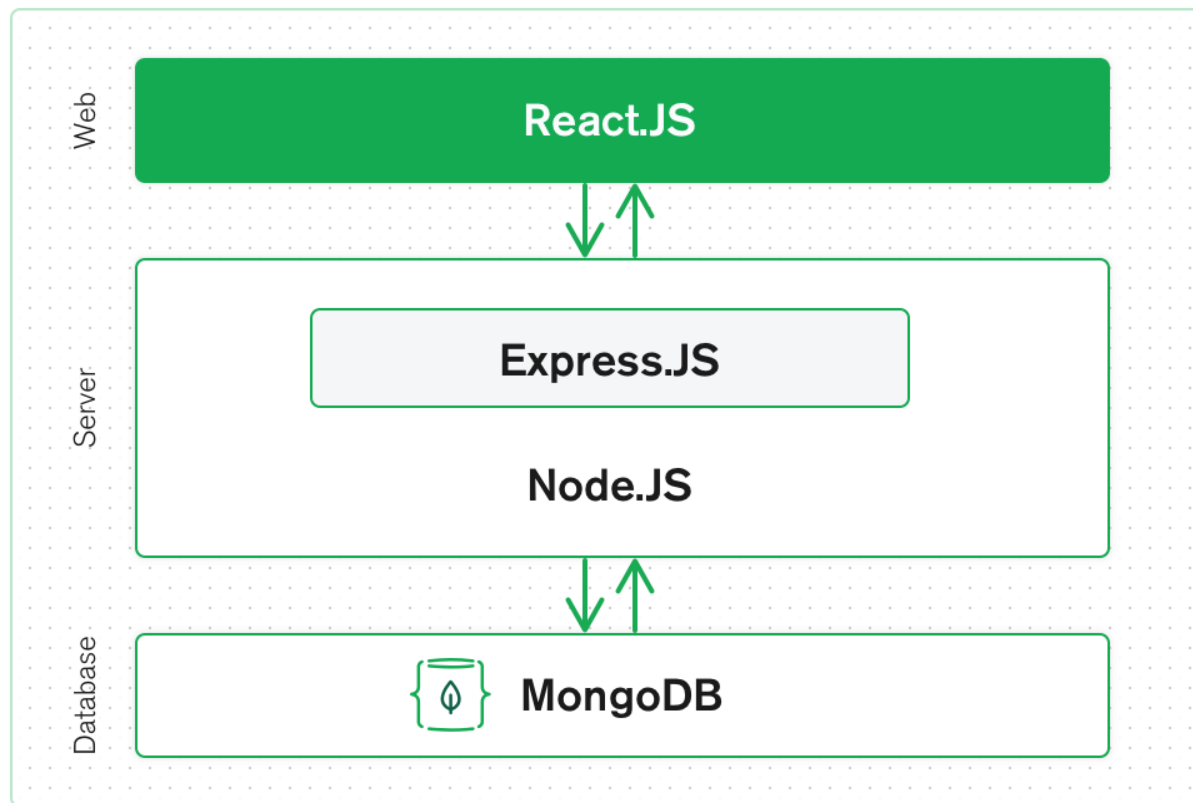
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These slides + code at: github.com/kashyap07/mern-stack-talk

Quick Recap

- M - nosql - no relations/schema, documents in collections

- N - JS runtime, logic layer

- E - Node framework, utility fns for web applications, middleware, routing

- R - component based, "reactive", mobile app like

The Big Picture

Deeper Dive

Mongo

- BSON Documents in Collection
- Store JSON natively (but binary)
- Horizontal Scalability - shards
  - Watch: youtu.be/Q-IHpZBh3lQ

Deeper Dive

Node

- Event loop
- Async-ness
- Nonblocking - Callbacks and Promises
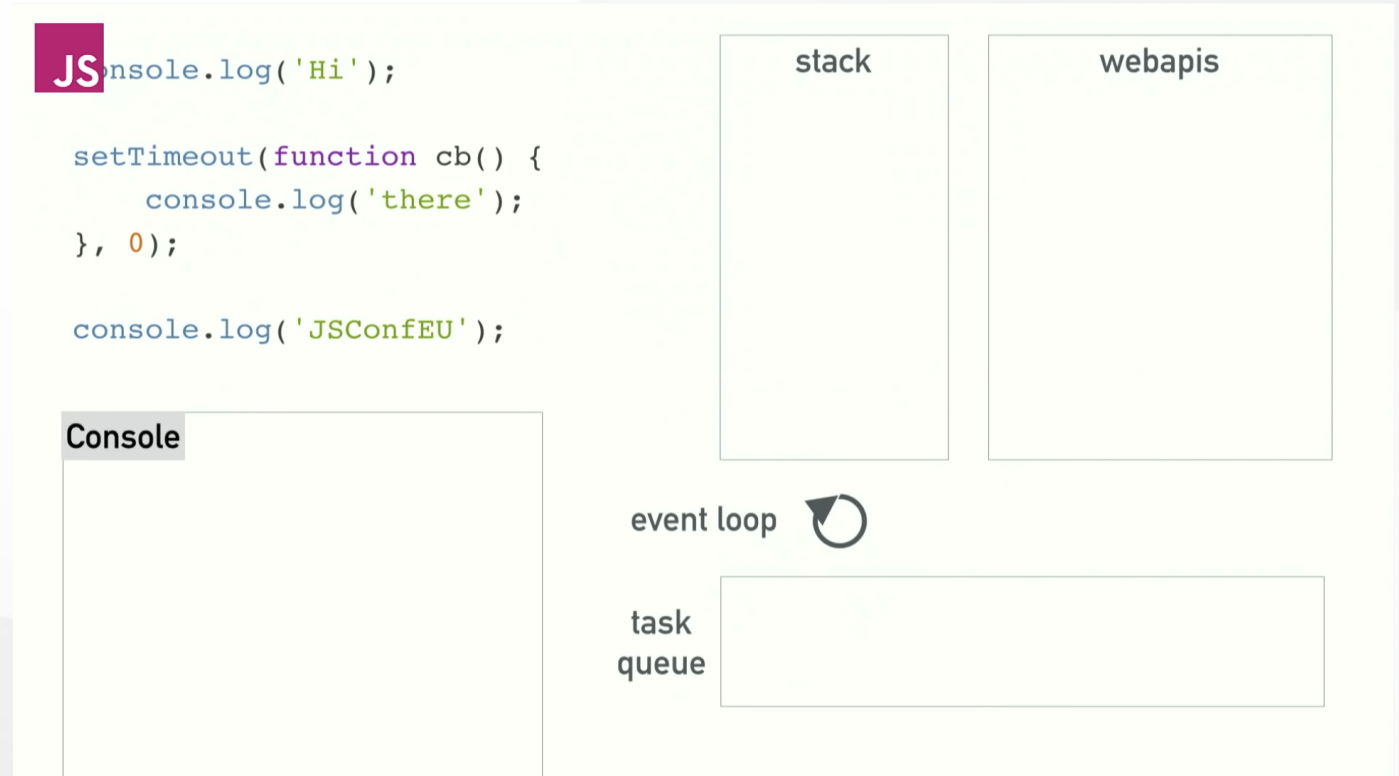- npm - node package manager

Deeper Dive

Node

Event Loop

(from: What the heck
is the event loop
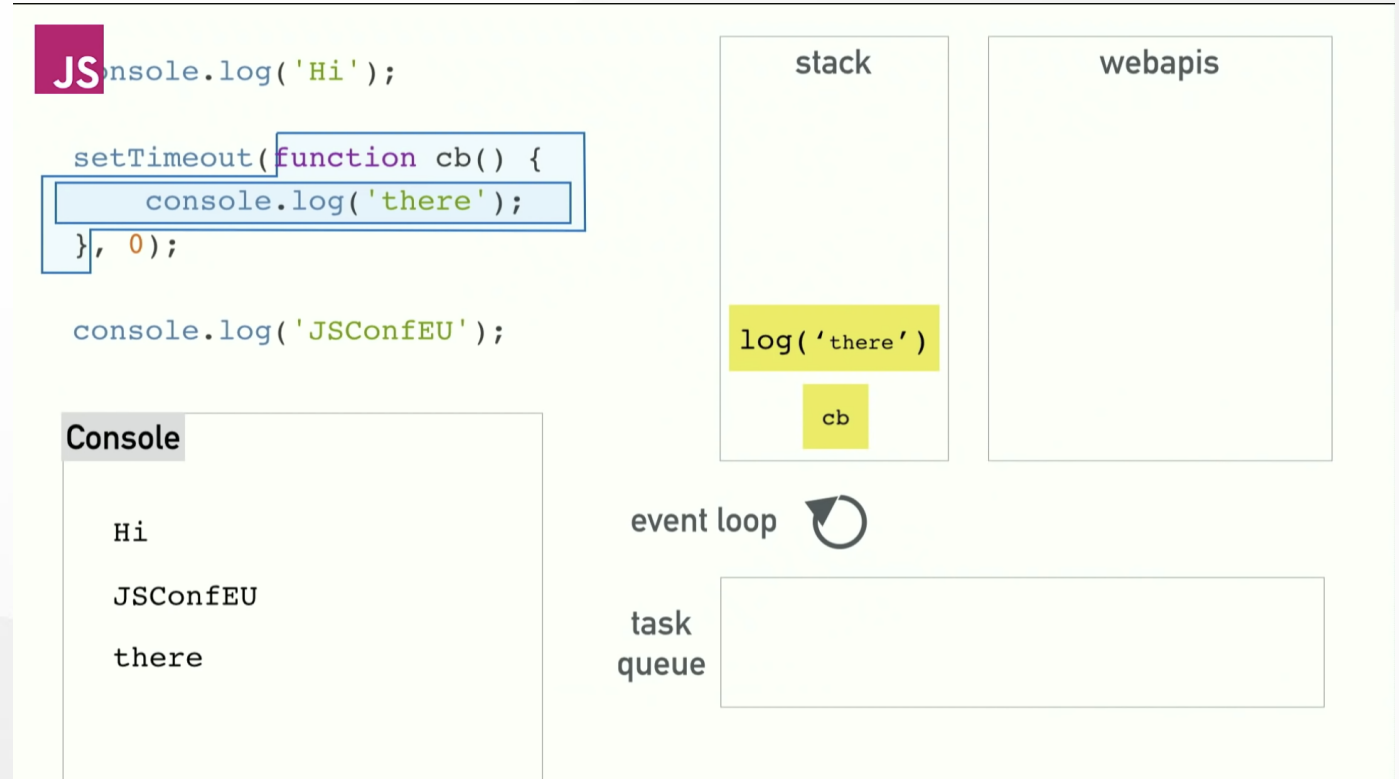anyway? | Philip
Roberts | JSConf EU

Deeper Dive

Node

Event Loop

(from: What the heck is the event loop anyway? | Philip Roberts | JSConf EU

youtu.be/8aGhZQkoFbQ)

Deeper Dive

Express

- Endpoints
- Middleware
- Alternatives
- Templates

Deeper Dive

React

- Single page applications - React router

- State management

- UI Components - reuseability

- JSX Javascript XML

Why this stack works and why it's used

- easy to get into - JS

- JS everywhere, JSON everywhere

- Performance

Current state of MERN development

- Promises

- es10

- Building/Bundling

- Typescript

- graphql

- ci/cd

- nginx

- SSR

- Docker

Walkthrough

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Thank you!

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