Docker for Multi Container Appication

Multi Container Development Architecture

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Nginx → React Server → Express Server → Redis ↔ Worker

Express Server → Postgres

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Fib Calculator

Enter your value: [ ] Submit

Values I have seen:

10, 5 ← Postgres

Calculated Values:

For index 10 I calculated 89

For index 5 I calculated 8 ← Redis

User submits number → React App → Express Server

Express Server → Redis ↔ Worker

Express Server → Postgres

Stores all indices and calculated values as key-value pairs

Watches redis for new indicies. Pulls each new indice, calculates new value then puts it back into redis

Stores a permanent list of indicies that have been received