

Awesome Modeling

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The project's objective is to build a platform for obtaining articles from online newspapers, storing them, making them searchable, and extracting representations of themes discussed in a set of articles returned as results for a given query.

Architecture

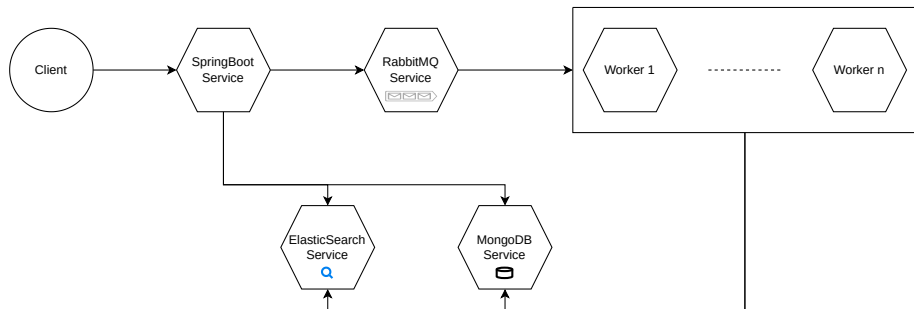


Figure: Microservices

Sequence Diagram

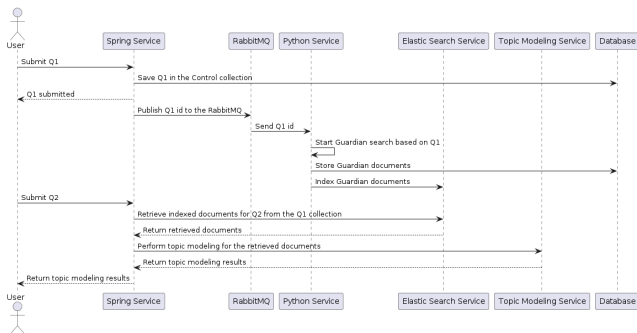


Figure: Sequence diagram

The Queue as Load Balancer

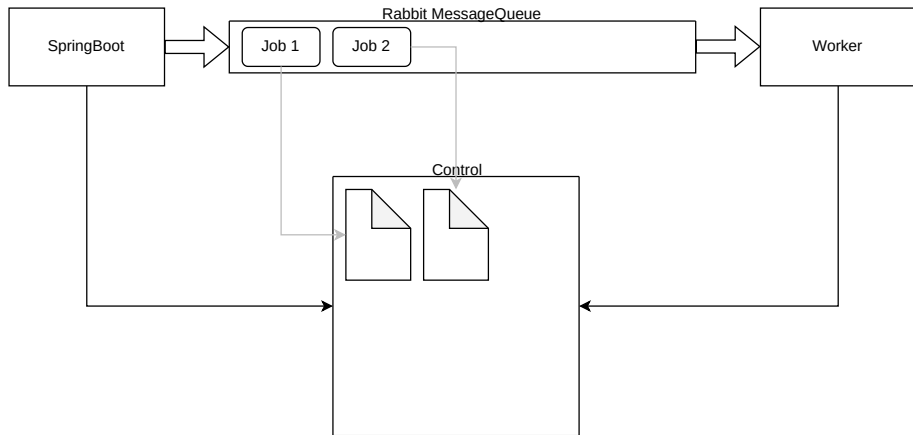


Figure: Queue

- Downloading and indexing are **Asynchronous**
 - **Scalability** improved
- *Separation of Concerns* principle used to divide the Spring Service in units having *Low Coupling* and *High Cohesion*
- Worker Service developed in Python

Conclusions



Figure: Photograph of Extreme Programmers working on microservices

Let's see a demo!