

RESTful microservice architecture

REST is an architectural style that can be applied to microservices. It is defined by 6 guiding constraints and if any of these are missing then it can not be considered RESTful. It has a stateless client-server communication, and it's very simple to use. It is the standard and most popular style to use when using microservices.

Microservices are a new architecture when building websites, a website can have many different microservices in just one page. Each one does a different task like searching or suggesting, each task can have its own database and are independent from each other. It is better than the monolithic architecture websites used to have because if developers wanted to change something from one task when it would probably involve changing and releasing a whole new software version.

Redux

Redux is an open source library in Javascript, it can be used along with javascript. It provides continuous state throughout the application, and it helps you write apps that behave in a consistent way by making them state-driven. This allows one to separate the logic that controls the view (what the end-user sees) and the logic that handles retrieving the data. Applications that deal with rendering the view for the end user only need to consider what the current state of the application is at any given moment and render the appropriate view for that circumstance. Another piece of logic can handle how the state gets to that point. This contrasts with typical implementations such as in jQuery, where both the view and controller are mixed together into one piece of logic.

SOAP-based

Simple Object Access Protocol is a protocol that allows programs running on different operating systems to communicate with each other using HTTP and XML. It specifies how to encode and how to return a response. It can also use transport protocols other than HTTP. Additionally, SOAP allows applications to call functions from other applications without consideration to any specific programming language or operating system.

Angular

Angular is a framework that helps developers build SPAs, or single page applications. Single page applications are websites which never have to refresh the page to change content. One of its main purposes is to completely divide front end from back end so it's easier for the developer to create the website.

Git

Git is a version control system that allows the developer to keep track of the changes they made. You keep track of every change by adding a message to the path before "committing" it to the repository which stores all the patches. Github has implemented git as an online host for git repositories.

Firebase

Firebase is a development platform for web and mobile application. It is owned by Google and it offers a variety of services like analytics, which allow you to see details about the apps usage, cloud messaging, which is platform solution for messages, notifications for android and iOS, an authentication service, and a cloud for databases.

DevOps

(Development Operations)

Is a method of software development that focus on communication and collaboration between developers and IT professionals, that would help build software more efficiently with superior quality. This system helps companies that release software frequently and startups. It's the midpoint between development, technology operations and quality assurance.

Ruby and Ruby on Rails (or any kind of backend development).

Ruby is a programming language. Ruby on Rails is a framework for web development, it provides default structures for a database and emphasizes on the MVC framework. MVC, or model-view-controller, separates these three parts but can still communicate with each other, it helps the developer to have a more organized web application. View would be what the user sees, controller is the midpoint between the model and the view, it controls the communication between each other and the model is the database.

AWS

Amazon Web Services is a variety of different services in the cloud. It is offered by Amazon as a paid subscription service. It offers a cloud computing service, storage for databases, mail service for companies and just storage in general.

PHP

Hypertext Preprocessor is a programming language that was originally designed for web development purposes but can also be used for other purposes now, it allows to be incorporated directly into html without the need to import a file, the language is still being updated. It can be deployed on almost any web server with any operating system.