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## How to implement the LFU (cache) algorithm

In the last story, I spoke about How to implement the LRU (cache) algorithm



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## How to implement the LRU (cache) algorithm

When we are implementing any caching technique in our architecture, it is essential to know what is the best eviction policy that makes...



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When planning to create software, sometimes we like developers want to write code, and put the best framework that we know, or what the...



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The objective of this story format is to be fast and tell you fundamentals where we sometimes don't question ourselves in our daily lives.



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Let's imagine a scenario where we have a logistic application.



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## Understanding Caching in Software Architecture

Caching—The cache is a storage layer between the application and the source of the data, like a database, for example, a file system, or...



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In the realm of software development, principles that guide design and architecture are invaluable. I'll show you how it is important this...



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## What I Needed to Know Before Adopting Microservices Architecture



Exploring the pros and cons and other details before adopting this architecture for creating your software.

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Such as we versioning the code source, is a good practice to versioning database scripts.

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## Microservices—Monitoring in a production environment receiving correlation ids—Spring Boot 3 +...



Hey folks, this is the second part of the story, Microservices—Monitoring in a production environment using correlation ids—Cap 01

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## Microservices—Monitoring in a production environment—Tracing requests with correlation Id —...



Hey folks this story is hands-on that belongs to my story Microservices—How monitoring in a production environment—Log Aggregators

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## Microservices—How monitoring in a production environment—Log Aggregators



In this first story in this monitoring series, I'll show how is important to adopt log aggregation tools in a production environment.

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## How to use the CDK for AWS with JAVA—AWS CDK

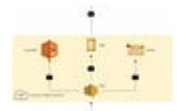


AWS Cloud Development Kit (CDK) accelerates cloud development using common programming languages to model your applications.

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## Microservices Asynchronous Communication sending and receiving messages—Spring Boot + Amazon SNS...



So in this story, I'll show you how to publish and consume messages using the Amazon SNS and Amazon SQS with Springboot

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In this story, I'll show you how you can implement a good monolith application that can become a microservices

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## How to monitor Java applications—Springboot Actuator + Prometheus + Grafana



In this tutorial, I'll show you how simple is to send spring boot metrics to Prometheus.

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## CQRS—Command Query Responsibility Segregation

CQRS It's a pattern proposed by Greg Young, that you can use a different model to update information than the model you use to read...



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## The Practical Onion Architecture—the onion that doesn't make you cry

Hi, folks in my new job I'm the owner of implementing a new architecture, so, I was presenting a new architecture, separating the...



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## TDD—The practical of Test Driven Development

In this story, I'll show you how Tests Driven Development works and how I use this approach in my day by day.



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## TDD—The importance of the tests in software development

A lot of programmers ignore the importance of testing your applications, sometimes, the tests are executed in the local host.



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It's worth investing a little time to understand continuous integration (CI) and continuous delivery (CD), mainly in the development...



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## Microservice Communication—AWS SQS | Sending Messages

This story is a second part about Microservice Communication where I spoke about communication styles and where to apply them.



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## Microservices Communication—Queues Topics and Streams

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## Difference between Architecture and Design

There can be a great misunderstanding when it comes to design and architecture. As for me, when in the beginning of my career, I didn't...



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