

Personal Ideas

AWS Advanced Architecting

Francisco Moreno

April/2025



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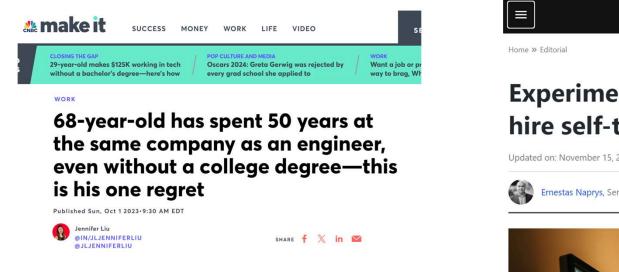






A.

Don't follow normal structures



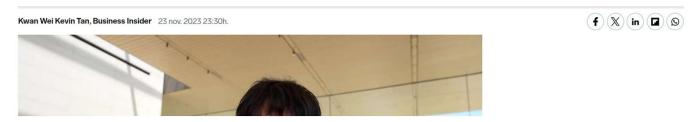


HOME > ESTRATEGIA > EMPLEO

BUSINESS

INSIDER

Estudiar informática ha dejado de ser el camino hacia la tierra prometida del dinero y la seguridad laboral





Value of being certified



AWS Certification & Training

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Our Solutions V

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Home > Blog > Manage a Small Business > 5 Ways Professional Certifications Add Value

5 Ways Professional Certifications Add Value

MBO By MBO Partners | April 1, 2022











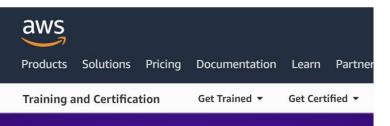
SKILLS HAVE BECOME THE GLOBAL

In a world where competition for jobs, pay increases, and academic success continues to increase, certifications offer hope because they are a credible, third-party assessment of one's skill and knowledge for a given subject.



Options

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wering higher education institutions to prepare stu cations and careers in the cloud

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Paradigms to be on cloud

THENEWSTACK

Introduction to AWS Economics

PODCASTS EBOOKS EVENTS NEWSLETTER ARCHITECTURE ENGINEERING OPERATIONS

Reducing Costs and Complexity

CLOUD NATIVE ECOSYSTEM / CLOUD SERVICES / FINOPS / HARDWARE / OPERATIONS

'Merchants of Complexity': Why

Provisioning a fleet of servers in 30 minutes is magic, but it is not a requirement that comes up that often for most businesses, David Heinemeier Hansson arques.

Dec 26th, 2023 8:15am by Joab Jackson

May 2015



37Signals Abandoned the Cloud

Leaving the Cloud: Cloud Computing Isn't For Everyone

What's New? Features Sign in

We've run extensively in both Amazon's cloud and Google's cloud, but the savings never materialized. So we've left.



A.

Paradigms of using microservices





application helped achieve higher scale, resilience, and reduce costs.

Architecture Style: Modulith (vs Microservices)





Best of 2023: Don't Build Microservices, Pursue Loose Coupling



Medium Q Search

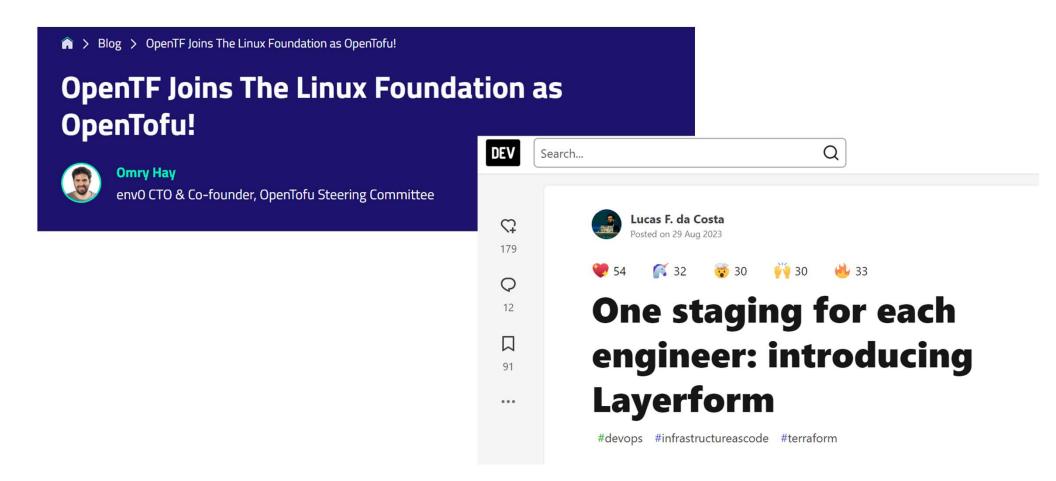
Rebuilding Netflix Video Processing Pipeline with Microservices

Netflix Technology Blog · Follow
Published in Netflix TechBlog · 9 min read · Jan 10, 2024

Top highlight



Paradigms of using in the normal way





Think by yourself





LEADERSHIP POLICY & POLITICS TEACHING & LEARNING TECHNOLOGY OPINION

READING & LITERACY

'I Literally Cried': Teachers Describe Their Transition to Science-Based **Reading Instruction**



By Elizabeth Heubeck — September 15, 2023 () 6 min read

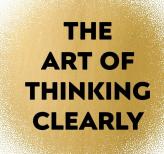
Cognitive Bias:

Outcome Bias (Historian Error): Once you look back, every decision looks like it makes sense. But when you are in the moment, it is not that clear. The 2008 bank crisis seems very easy to understand, but back in time, even the smartest Wall

#6 Reciprocity

Reciprocity is the central core of cooperation among people that sustains economy growth and social development. The act of reciprocity are employed by Non-Governmental Organizations (NGOs) and philanthropic

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The Secrets of Perfect Decision-Making

ROLF DOBELLI

Instructor

- Comms Engineer, M.Sc., University of York, UK. Electronic Engineer, U Javeriana.
- {Enterprise, Solutions, Software} Architect, DevOps Engineer, Low-Level Developer.
- 16 years of working experience on massive transport, financial companies (Banks and **Transactional Platforms**) and software companies (Current).
- 20+ Cloud Certifications





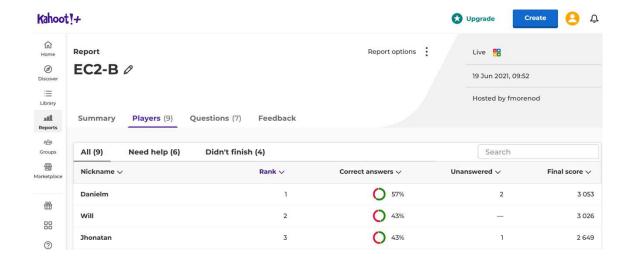






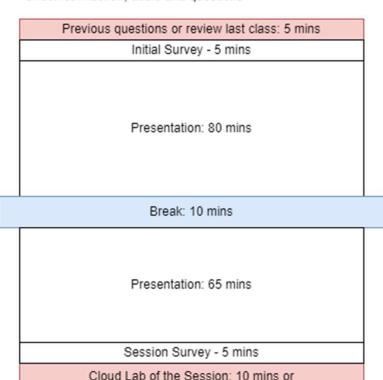
Time Periods

- Schedule your appointments: 10 sessions.
- Arrive early to check your connection. Bring your own questions from concepts or from labs.
- No recording is allowed, except extraordinary cases.
- Raise your hand or interrupt the class if you have to: I plan to stop every 2/3 slides.
- Kahoot (kahoot.it) to review concepts. Please use it with your real name otherwise, I cannot follow your progress.



Punctuality

Check connection, audio and questions



Previous Lab Questions: 5 mins (Optional)

Authorized Course

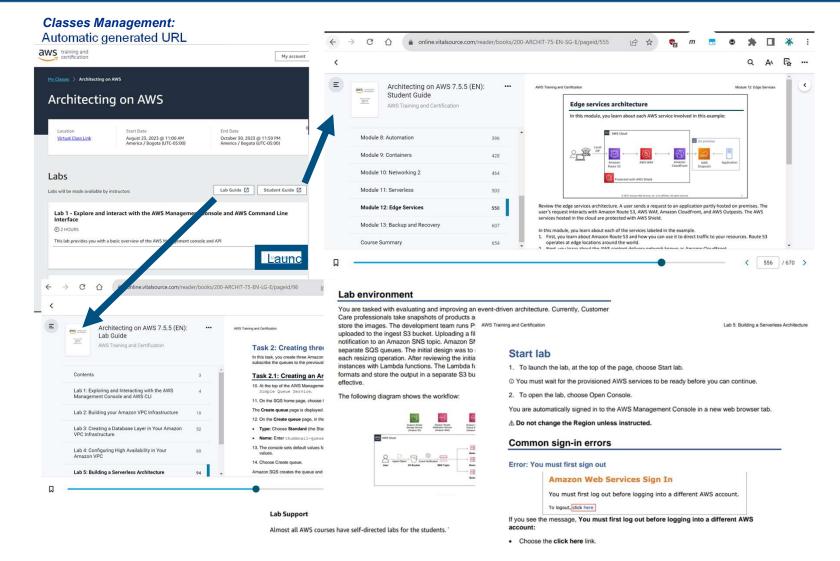
Features

A course that "Identify (..) services, compare features, and explore best practices to architect resilient, secure, and highly available IT solutions on AWS."

- It is a course refined by thousands of students and hundreds of instructors over the years, focusing on the most widely used methods and services in the industry.
- A course does not guarantee that all the requested topics will be covered as there are many services for each exam – 6 pages for SAA, 5 for DAV and 7 for SAP.
- It is expected that there will be independent work on the part of the student to read the Whitepapers, documentation and FAQs.
- Labs contains required information to work as independent tasks, are not taught in class, and are handled by the AWS Platform. HOWEVER, the student requests to BSG to do it on class (to do at the end of the class)
- AWS recommends course length and cadence.



AWS Platform



T&L Illuminated I

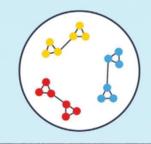
Working memory is very small

This means that we forget new information quickly.



Long-term memory is very large

This means that we can remember things from years and years ago.



Transfer between working memory & long-term memory is key for learn

This can be facilitated through several strategies, such as Retrieval Practice.

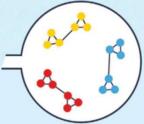


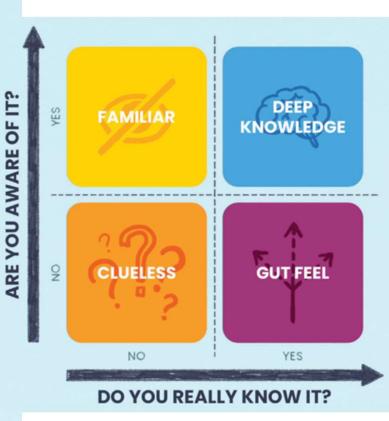
Unfortunately, cognitive overload hinders this transfer

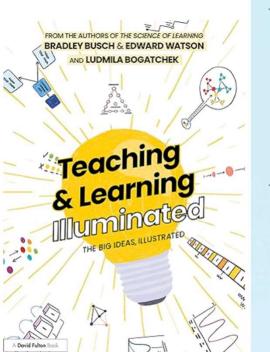
This overload can be reduced through mitigating the Redundancy, Split-Attention and Transient Information Effects.



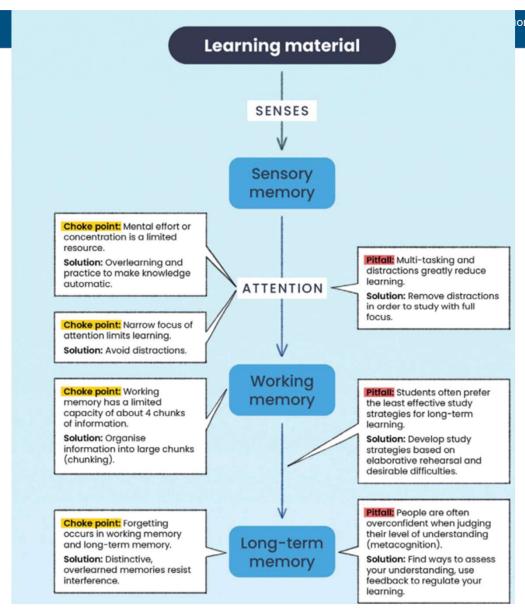








T&L Illuminated II



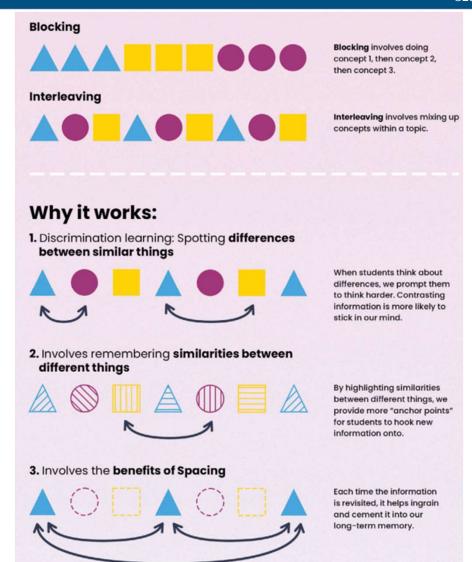
T&L Illuminated III

- Retrieval Practice
- Spacing

These are our best bets for learning

- Interleaving
- Elaborative Interrogation
- Highlighting
- · Re-reading
- Mnemonics
- Visualising
- Summarising

These can lead to the illusion of learning



T&L Illuminated IV

Cramming MONDAY TUESDAY WEDNESDAY THURSDAY ? FRIDAY SATURDAY SUNDAY 30 30 30 30 30 30 30 **Spacing** MONDAY TUESDAY WEDNESDAY THURSDAY 30 30 FRIDAY SATURDAY SUNDAY RELAX

The benefits of Retrieval Practice

Illuminated by @Inner_Drive | innerdrive.co.uk

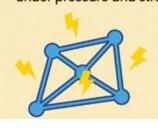
1. Identifies gaps in knowledge



3. Checks for misunderstandings



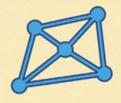
Makes connections robust under pressure and stress



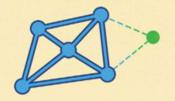
2. Makes connections



4. Strengthens connections



Makes it easier to learn new things





Why cognitive overload happens

Illuminated by @Inner_Drive innerdrive.co.uk

and how to overcome it

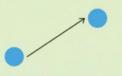
Break it down with shorter deadlines



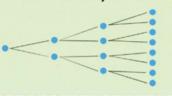
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The task is too complex

The task will take too long



There are too many choices



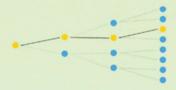
Too much information is presented at once



Break it down into small chunks



Highlight a clear path



Prioritise important information



| | Split-Attention Effect | Redundancy Effect | Coherence Effect |
|--|---------------------------|----------------------|---------------------|
| Burdens working memory | | | |
| Information irrelevant to the learning | | | |
| The same information repeated in different formats | is | | |
| Information split over different locations and/or timing | | | |