A brief History of Cloud-Native

Senior DevOps Engineer
@ FullStackS

Organizer / Host
CNCG Graz + CND Austria

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Kubestronaut, TFA, VA, GitLab, Scrum, Snyk, Exoscale
CNCF Ambassador

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Let’s discuss the big question..

HOW DID WE GET HERE?

… tech wise

… and what did we listen to? 🎵

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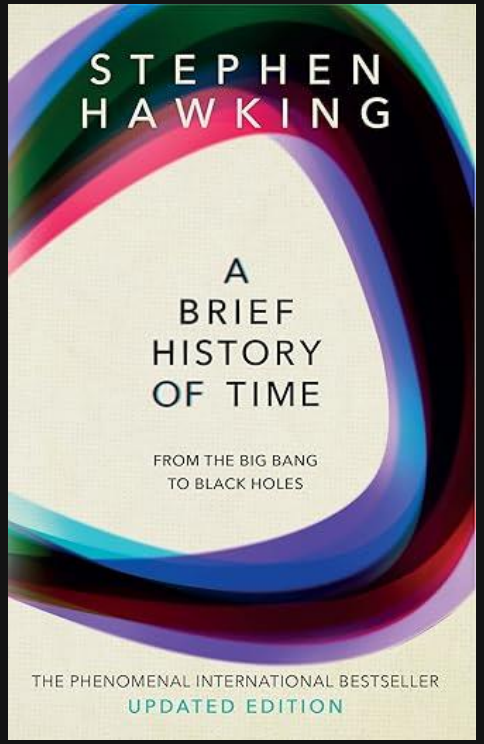
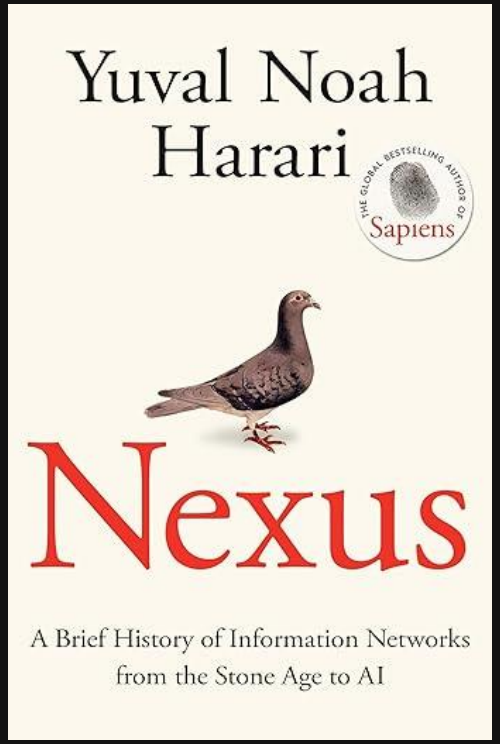
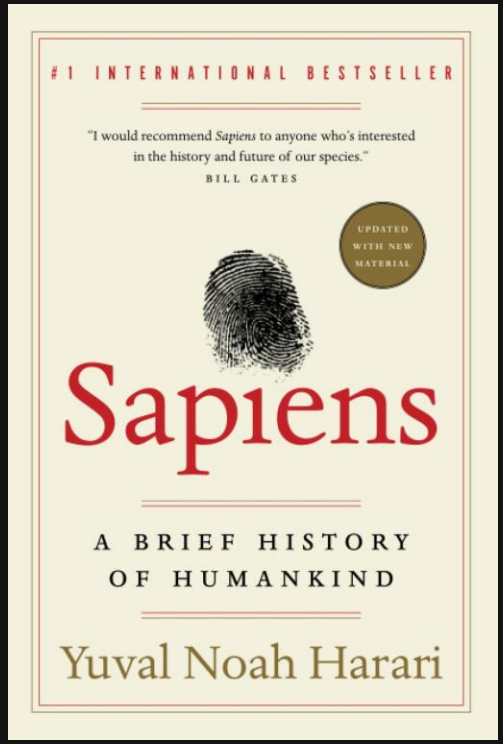
Want to know the „whole“ story?







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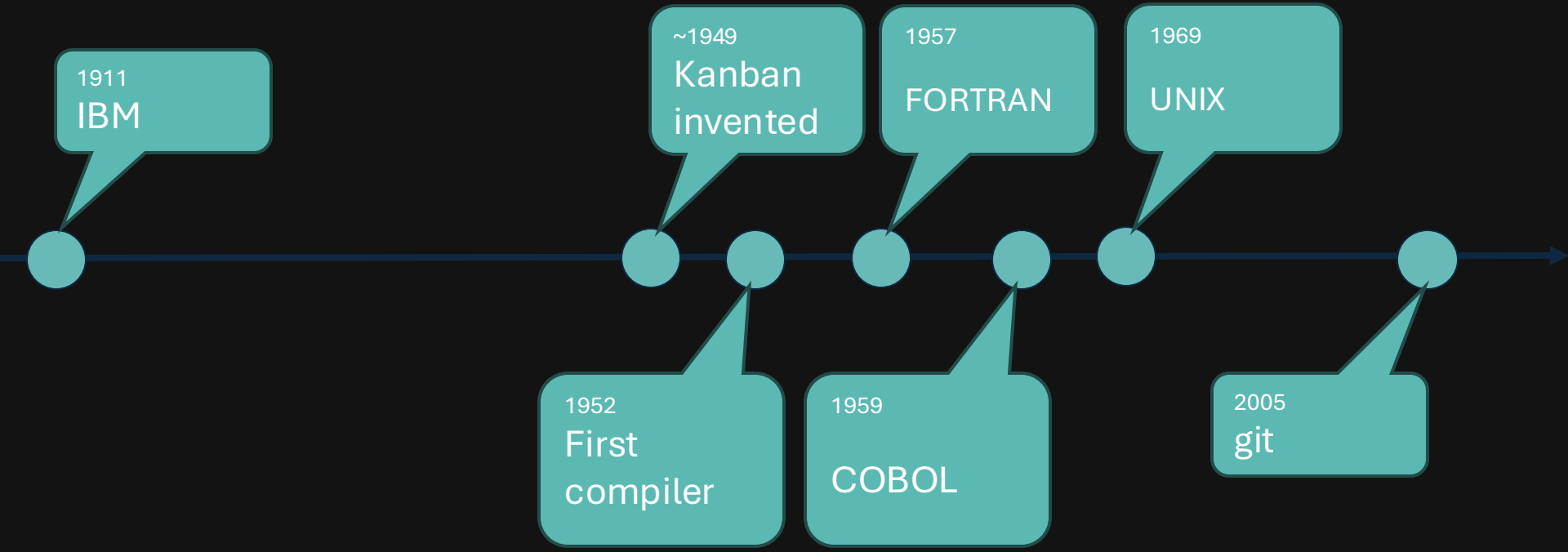
~100 years of IT history in 5min



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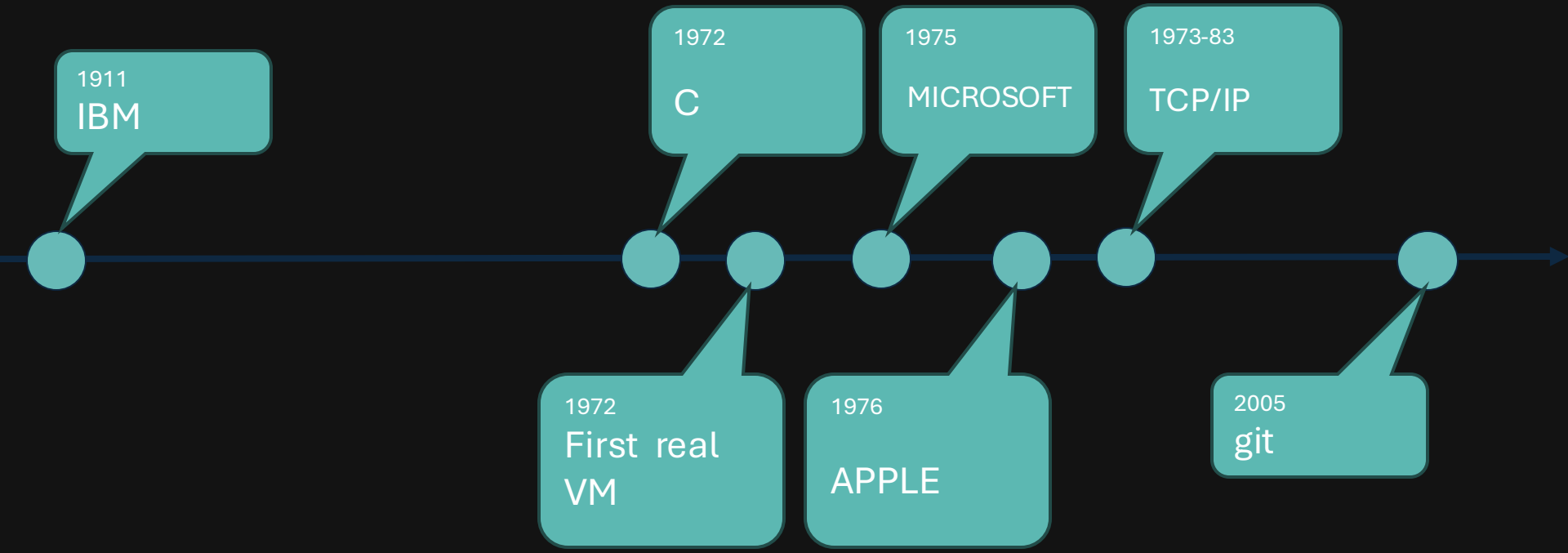

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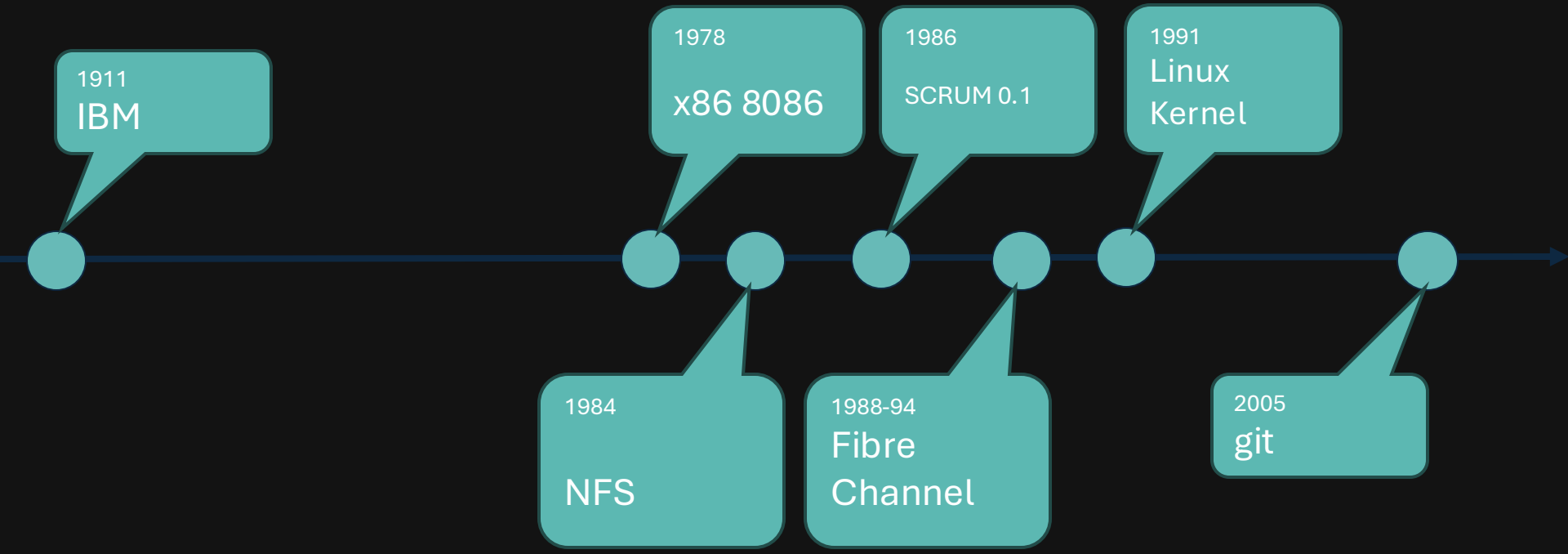

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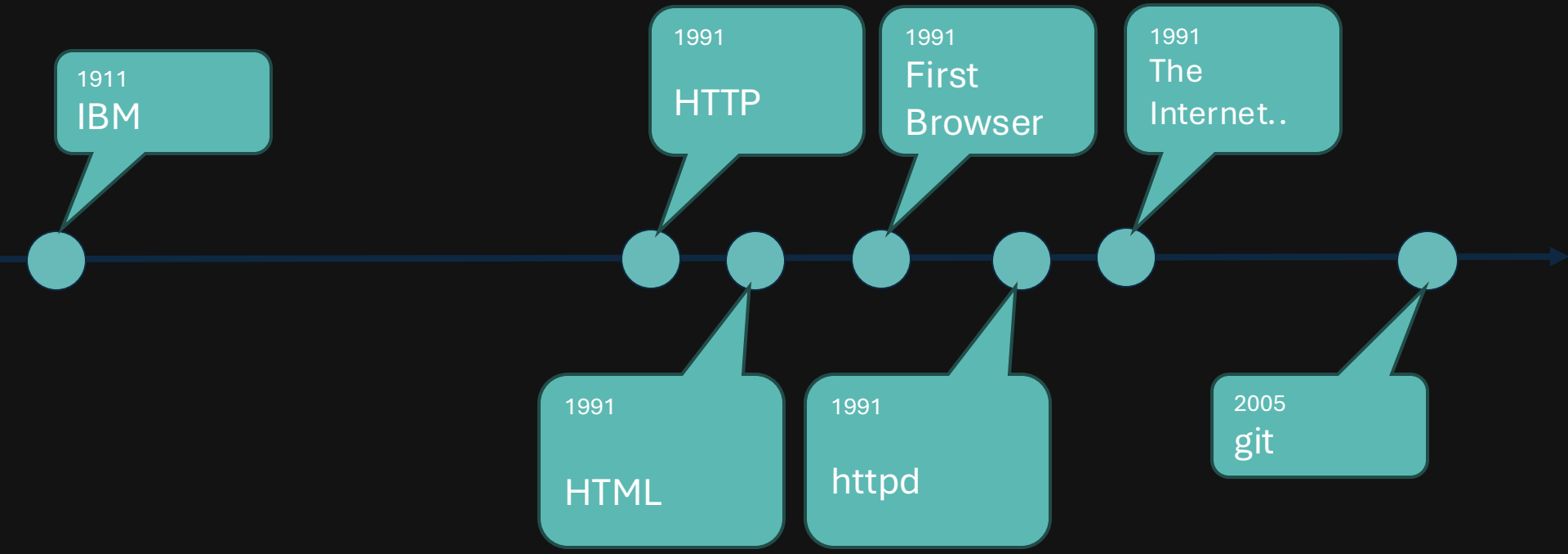

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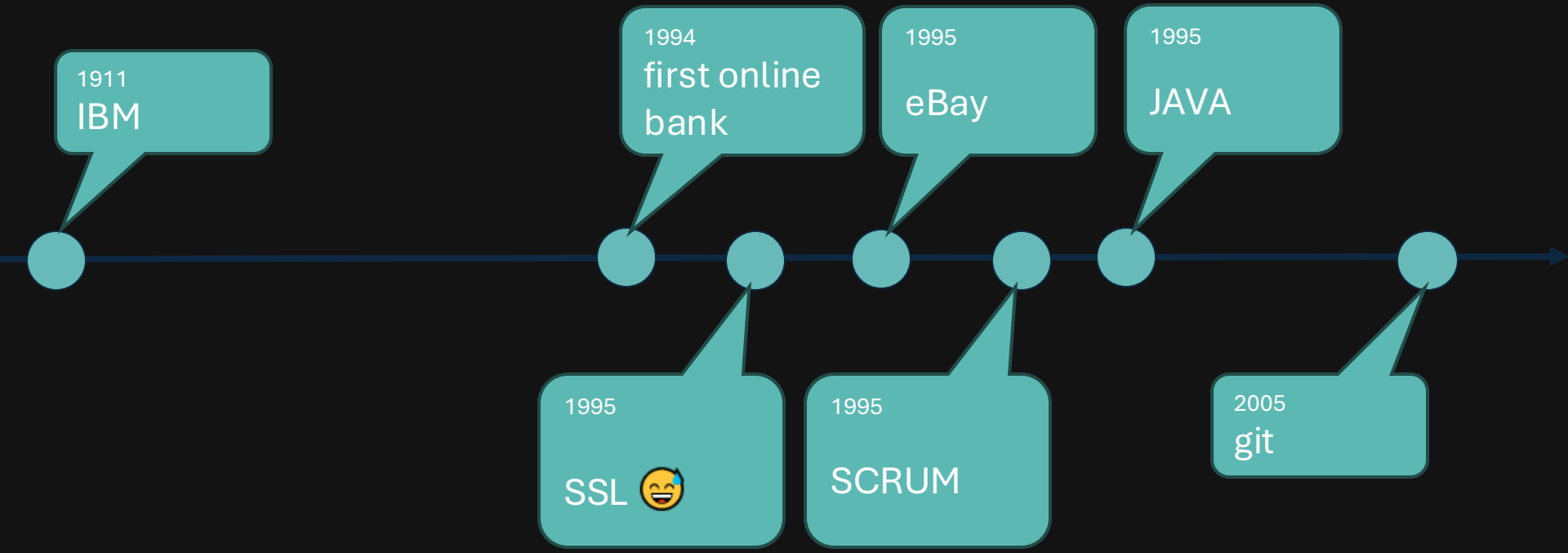

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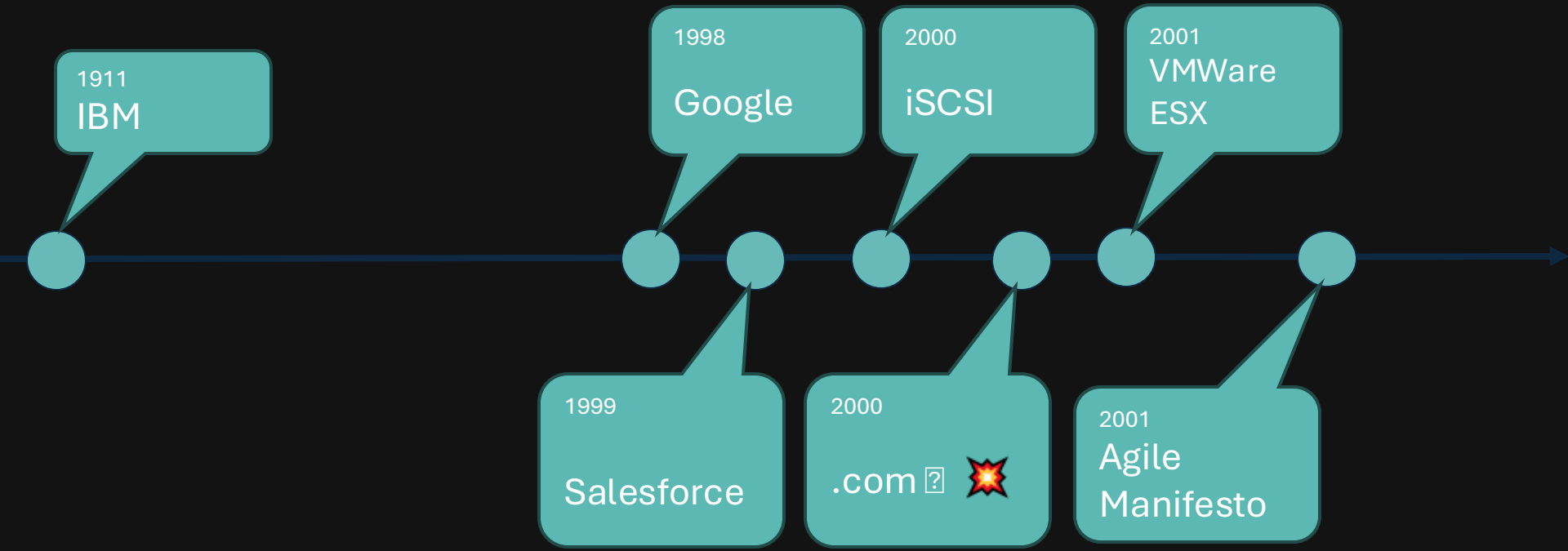

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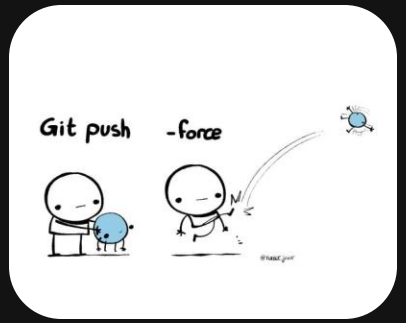
Linus Torvalds developed Git as a distributed version control system for the Linux kernel.



2005

”Candy Shop" – 50 cent

2006

„Crazy“ – Gnarls Barkley

amazon web services

AWS officially launches its first services: Amazon S3 (Simple Storage Service), SQS and Amazon EC2 (Elastic Compute Cloud)

Quelle:
https://www.reddit.com/r/ProgrammerHumor/comments/11trqru/now_lets_start_the_weekend/

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KVM (Kernel-based Virtual Machine), lead by Avi Kivity, integrated into the Linux Kernel.

„Umbrella“
– Rihanna feat. Jay-Z

2008

"Viva La Vida”
– Coldplay

2007

Linux Kernel 2.6.24 introduces cgro
namespaces.

Quelle:
https://qconsf.com/sf2016/sf2016/users/avi-kivity.html
Von Wonker Wonker from London, United Kingdom - Coldplay, CC BY 2.0, https://commons.wikimedia.org/w/index.php?curid=4358511

GitHub was founded as a platform for Git repositories by Tom Preston-Werner, Chris Wanstrath, P. J. Hyett, and Scott Chacon.

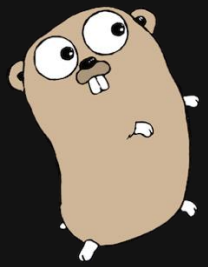
github
SOCIAL CODING

"Single Ladies"
– Beyoncé

2008

2009

„Poker Face“
– Lady Gaga



Google releases the programming language Go.

Quelle:
https://1000logos.net/github-logo/
https://go.dev/blog/gopher

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Anders Hejlsberg starts developing TypeScript at Microsoft.
2012: TypeScript is released

„Tik Tok“
- Ke$ha

2010

2010

„Bad Romance“
- Lady Gaga

2010

Microsoft launches Azure Cloud Platform.

Quelle:
Von DBegley - https://www.flickr.com/photos/begley/2985424826/in/set-72157608507966144, CC BY 2.0, https://commons.wikimedia.org/w/index.php?curid=6435486

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The development of the open RISC-V architecture begins at the University of California, Berkeley.

"Rolling in the Deep" – Adele

2010

2010

„Hey, Soul Sister“ - Train

NASA and Rackspace launch OpenStack as a free cloud platform.

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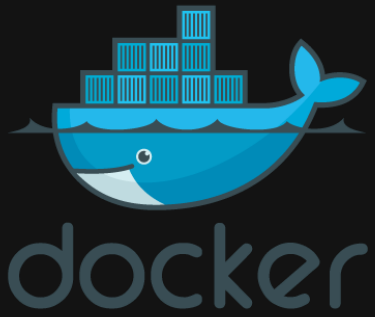
Docker enables the standardized deployment of software via containers.



„Can‘t Hold Us“
- Macklemore

2013

2014

„The Monster“
- Eminem & Rihanna

Google releases Kubernetes.

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Extended Berkeley Packet Filter (eBPF) is integrated into the Linux kernel.

eBPF

"All of me"
– John Legend

2015

„Take me to Church“
– Hozier

2014

CLOUD NATIVE
COMPUTING FOUNDATION

Founding of the Cloud Native Computing Foundation (CNCF).

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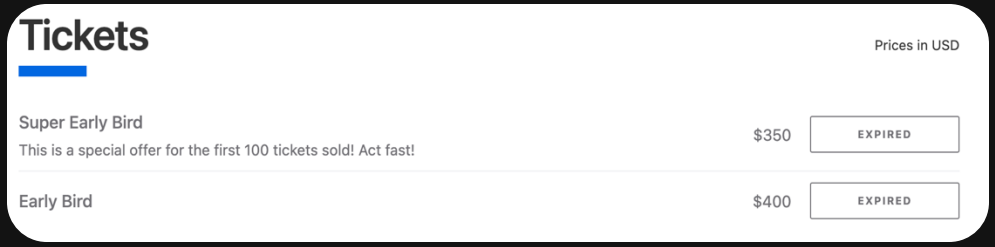
First KubeCon takes place in November in San Francisco.



2015

„See you again“ - Wiz Khalifa

2015

„Can‘t feel my face“ - The Weeknd

2015

Mozilla releases the programming language Rust

Quelle:
https://ti.to/kubecon/kubecon-2015

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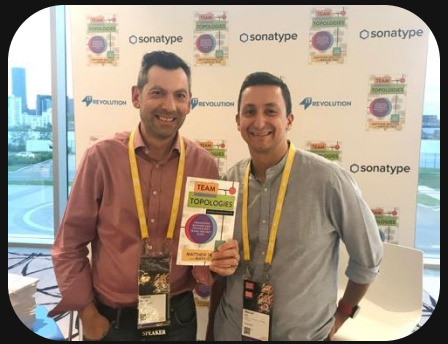
Google, IBM & Lyft introduce Istio.

“Help!”
- Papa Roach

2019

„High Hopes“
- Panic! At the Disco

2017



Matthew Skelton and Manuel Pais publish "Team Topologies”.

Quelle:
https://teamtopologies.com/news-blogs-newsletters/2019/09/17/team-topologies-book-published-paperback-ebook-audiobook

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OpenTracing and OpenCensus merge to form OpenTelemetry.

OpenTelemetry

”You’ll never find me" – Korn

2020

„Bad Decisions“ - The Strokes

2019

SolarWinds Cyberattack

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Microsoft releases Windows 11 with a new design (and improved features).

Windows 11

„Begging for Trouble“
- AFI

”Running up that Hill”
– Kate Bush

2021

2022

CLOUD NATIVE COMPUTING GRAZ

First CNCF Graz Meetup

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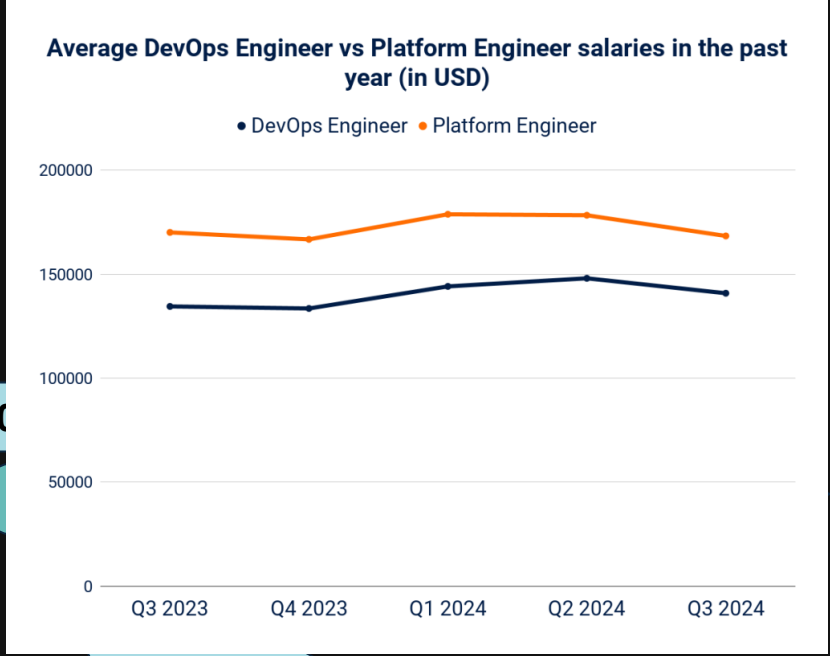
Platform engineering is establishing.

„Best of Times“
- Godsmack

2023

Broadcom aquires VMWare for $61 billion.



Quelle:
https://investors.broadcom.com/news-releases/news-release-details/broadcom-acquire-vmware-approximately-61-billion-cash-and-stock
https://x.com/luca_cloud/status/1752371943649517588
https://thenewstack.io/kubernetes-job-market-platform-engineers-earn-20-more-than-devops-engineers/

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Meta releases Ollama.
.. and AI is everywhere

„Thing in the Cage“
- Lordi

2023

2023

„We didn‘t start the fire“
- Fall Out Boy

First KCD Austria in September 2023.

Quelle:
https://github.com/ollama/ollama

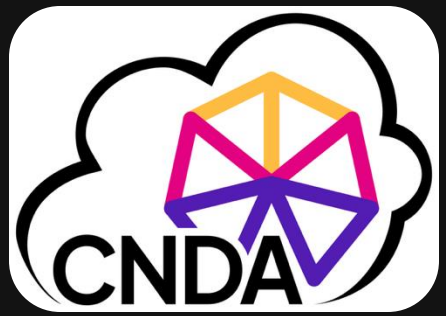
Daniel, Erik and Thomas founded
Cloud Native Austria

„Welcome to the Circus“
- 5FDP

2023

2025

„Heavy is the Crown“
- Linkin Park



Cloud Native Days Austria 🚀

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This is how we got here, in a

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