QCon SAN FRANCISCO by InfoQ

Cloud at QCon San Francisco 2025

Sessions

How to Build an Exchange

Monday Nov 17

These days it is possible to achieve fairly good performance on cloud provisioned systems. We discuss the design of a high performance, strongly consistent system which maintains constant service in the face of regular updates to core logic.

Frank Yu

Director of Engineering @Coinbase, Previously Principal Engineer and Director @FairX

Parting the Clouds: The Rise of Disaggregated Systems

Monday Nov 17

Cloud systems are undergoing an architectural shift. Traditional shared-nothing designs struggle to deliver the elasticity, availability, and operational simplicity that the cloud demands.

Murat Demirbas

Principal Research Scientist @MongoDB Research, Previously Principal Applied Scientist @AWS and a Professor of Computer Science at the University at Buffalo (SUNY)

Architecting a Centralized Platform for Data Deletion at Netflix

Monday Nov 17

What does it take to safely delete data at Netflix scale? In large-scale systems, data deletion cuts across infrastructure, reliability, and performance complexities.

Vidhya Arvind

Tech Lead & a Founding Architect for the Data Abstraction Platform @Netflix, Previously @Box and @Verizon

Shawn Liu

Senior Software Engineer @Netflix, Building Reliable and Extensible Systems for Consumer Data Lifecycle at Scale

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Enhancing Reliability Using Service-Level Prioritized Load Shedding at Netflix

Monday Nov 17

How does Netflix maintain a seamless viewing experience for millions of users, especially during traffic spikes or when backend datastores are overloaded? Autoscaling can help during traffic spikes, but it costs money, takes a few minutes to kick in, and capacity may not always be available.

Anirudh Mendiratta

Staff Software Engineer, Playback Lifecycle @Netflix, Previously @Amazon Prime Video and @fuboTV

Benjamin Fedorka

Staff Software Engineer, Productivity Engineering @Netflix

Stripe's Docdb: How Zero-Downtime Data Movement Powers Trillion-Dollar Payment Processing

Tuesday Nov 18

Stripe processes over $1 trillion in payments annually with industry-leading reliability, powered by its custom-built document database, DocDB, built on top of open source MongoDB. Stripe's DocDB serves over five million queries per second from Stripe's product applications.

Jimmy Morzaria

Staff Software Engineer @Stripe, Previously Software Engineer on Amazon QLDB and Amazon Managed Streaming for Kafka

Accelerating Netflix Data: A Cross-Team Journey from Offline to Online

Tuesday Nov 18

At Netflix, certain use cases demand the rapid transfer of massive datasets—such as 50 TB—from offline to online systems. Doing this efficiently, without disrupting applications interacting with our online systems, presents a significant challenge.

Rajasekhar Ummadisetty

Software Engineer @Netflix - Driving Scalable Data Abstractions, Leader in Distributed Systems and Data

Management, Previously @Amazon and @Facebook

Ken Kurzweil

Software Engineer @Netflix - Leading a Data Movement Team Focused on Data Infrastructure Innovation, Previously @Amazon, @Shutterfly, and @Gannett Media

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Producing the World's Cheapest Tokens: A How-to Guide

Wednesday Nov 19

AI inference is expensive, but it doesn't have to be. In this talk, we'll break down how to systematically drive down the cost per token across different types of AI workloads.

Meryem Arik

Co-Founder and CEO @Doubleword (Previously TitanML), Recognized as a Technology Leader in Forbes 30 Under 30, Recovering Physicist

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Realtime and Batch Processing of GPU Workloads

Wednesday Nov 19

SS&C Technologies runs 47 trillion dollars of assets on our global private cloud. We have the primitives for infrastructure as well as platforms as a service like Kubernetes, Kafka, NiFi, Databases, etc.

Joseph Stein

Principal Architect of Research & Development @SS&C Technologies, Previous Apache Kafka Committer and PMC Member

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The Time it Wasn't DNS

Wednesday Nov 19

In January of 2023, the Microsoft Azure Wide Area Network experienced a global outage. If you were a Microsoft customer at the time, you were impacted by this outage.

Sean Klein

Principal Technical Program Manager - Modern Incident Analysis @Microsoft Azure

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