

DATASTACK

DEVELOPERS



CASSANDRA SUMMIT
MARCH 13-14, 2023 • SAN JOSE, CA

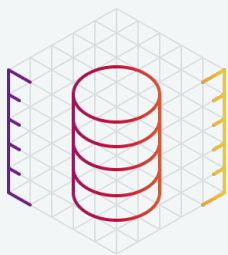
TRAINING DAY



CASSANDRA SUMMIT
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APACHE CASSANDRA® FOR ARCHITECTS AND DATA ENGINEERS:

Designing Scalable Data Intensive Solution



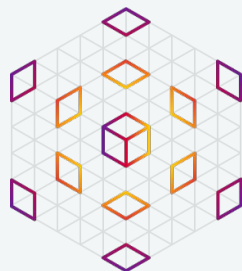
› Cédric Lunven

Director Developer Relations

 @clunven

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dtsx.io/cedrick

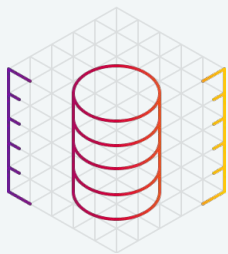


{ REST }



gRPC

- ❖ Trainer
- ❖ Public Speaker
- ❖ Developers Support
- ❖ Developer Applications
- ❖ Developer Tooling
- ❖ Creator of ff4j (ff4j.org)
- ❖ Maintainer for 8 years+
- ❖ Implementing APIs for 8 years



› Stefano Lottini

Developer Advocate



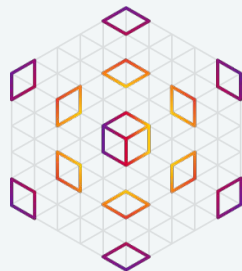
@rsprrs



@stefano-lottini



@hemidactylus



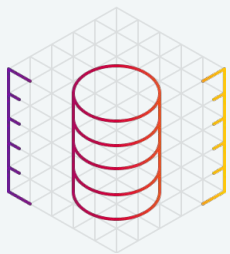
dtsx.io/stefano

- ❖ Developer/Architect
- ❖ Apache Cassandra™ certified

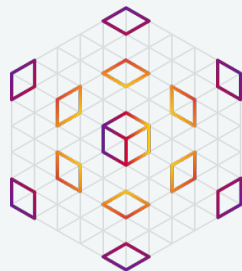


- ❖ Background in computational physics
- ❖ Distributed systems
- ❖ Love to teach and communicate





› Agenda



01

Solution Architecture

Overview and Design



02

Data Acquisition

Storage in Cassandra



03

Data Preparation

Event Streaming with Pulsar

04

Training

ML with Keras / Tensorflow



05

Deployment MLOps

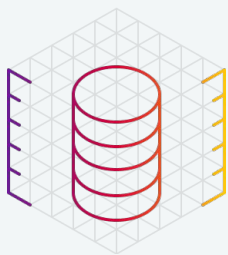
Microservices and API



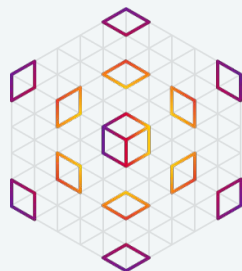
06

Wrap-up

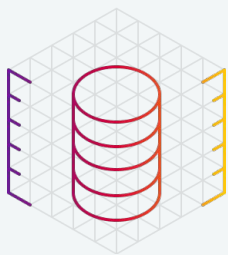
Production considerations



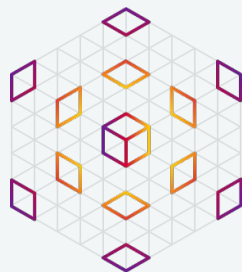
› Schedule for the Day



08:30–09:00	Keynote and House Keeping
09:00–09:45	Solution Architecture
09:45–10:00	☕ Break
10:00–10:45	Storage in Cassandra
10:45–11:00	☕ Break
11:00–12:00	Event Streaming and Change Data Capture with Apache Pulsar™
12:00–13:00	Lunch



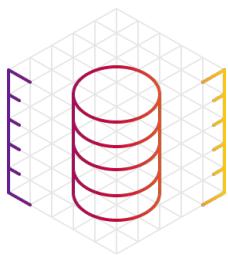
➤ Schedule for the Day



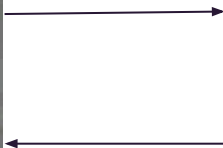
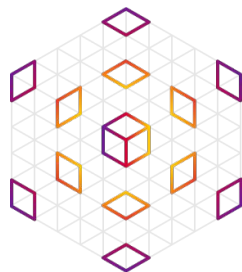
13:00-14:00	Machine Learning with Keras and TensorFlow
14:00-14:15	☕ Break
14:15-15:00	Microservice API
15:10-15:15	☕ Break
15:00-16:00	MLOps
16:00-16:30	Wrap-up and Grand Finale



Housekeeping

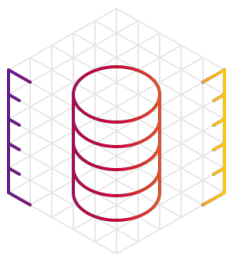


HouseKeeping





Keynote



HouseKeeping

