



TECHNOLOGICAL TENDENCIES 2021

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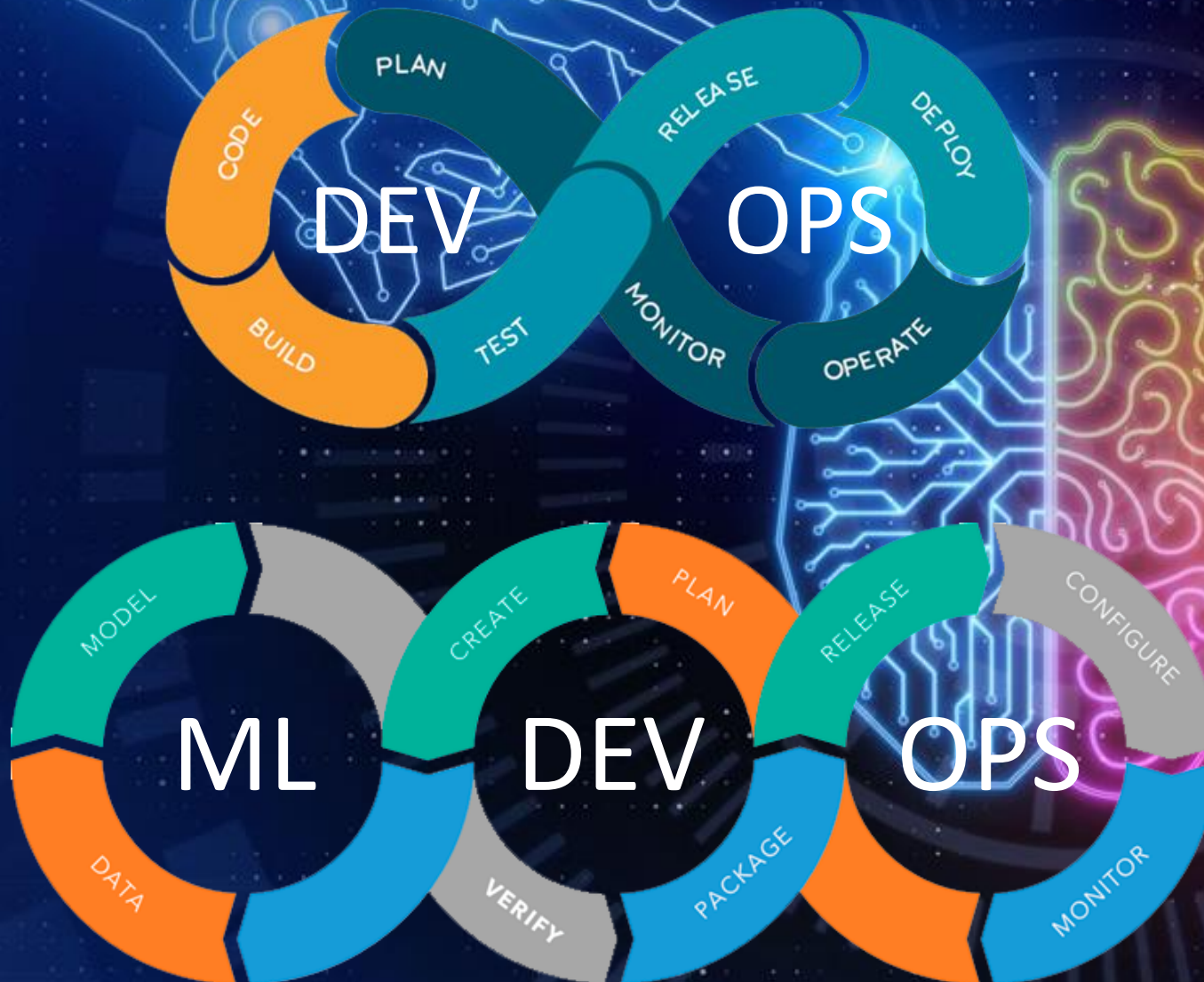
MLOPS: INDUSTRIALIZED AI

Artificial intelligence leverages computers and machines to mimic the problem-solving and decision-making capabilities of the human mind.

MLOps, or DevOps for machine learning, enables data science and IT teams to collaborate and increase the pace of model development and deployment via monitoring, validation, and governance of machine learning models.

It has some features:

- AI + DEVOPS PRINCIPLES
- STRENGTH IN NUMBERS
- OPEN THE BLACK BOX



LITHIUM-METAL BATTERIES

Electric vehicles for mass consumers

These are some of the features which we can take advantage of.

- Can deliver high energy fast to devices such as cameras.
- Can operate at extreme temperatures from -40°F (-40°C) to 140°F (60°C) .
- Very long shelf life when not in use – up to twenty years on some household applications such as smoke alarms.
- Long lasting in slow drain applications – up to fifteen years for specialized medical uses such as pacemakers.
- Lighter than other batteries with comparable power.
- Consistent power.



CLOUD TECHNOLOGIES

PUBLIC CLOUD

A public cloud is a cloud service offered to multiple customers by a cloud provider.

PRIVATE CLOUD

The private cloud is defined as computing services offered either over the Internet or a private internal network and only to select users instead of the general public.



TYPES OF CLOUD DEPLOYMENT

HYBRID CLOUD

Hybrid cloud integrates public cloud services, private cloud services and on-premises infrastructure and provides orchestration, management and application portability across all three.

COMMUNITY CLOUD

Community Cloud is a hybrid form of private cloud. They are multi-tenant platforms that enable different organizations to work on a shared platform.



IOT- INTERNET OF THINGS

The consumer adoption of IoT products is advancing at breakneck speed. Specifically, we are seeing the rise of next-generation gadgets and new IoT trends, which in turn are built on advancements in artificial intelligence (AI), 5G networks, machine learning (ML) and other cutting-edge technologies.

There are several trends and things to do in this side, but the highly likely most evolved in this year 2021 are being:

1. **Contactless Consumer Products**
2. **AI Chipsets**
3. **Smart Wearables and “Hearables”**
4. **IoT and Location Services**
5. **Blockchain Integration with IoT**
6. **Autonomous Vehicles**
7. **Connected Home Gadgets**
8. **Connected Healthcare**
9. **Ultra-Low Power Devices and Edge Computing**



COMPANY TECH CORE UPDATING

A K A C O R E R E V I V A L

New technologies, techniques, and business cases to drive the companies modernization strategy.

As the C-suite increasingly views technology modernization as an imperative to enable strategic change, pioneering IT leaders are embracing new approaches, technologies, and business cases to revitalize core assets.

Following are some of the must-update features for a good core revival:

- TECHNOLOGIES
- DEPLOYMENTS
- INFRASTRUCTURES
- WAYS OF WORKING
- ARCHITECTURES
- PATTERNS

THANKS FOR YOUR ATTENDING



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