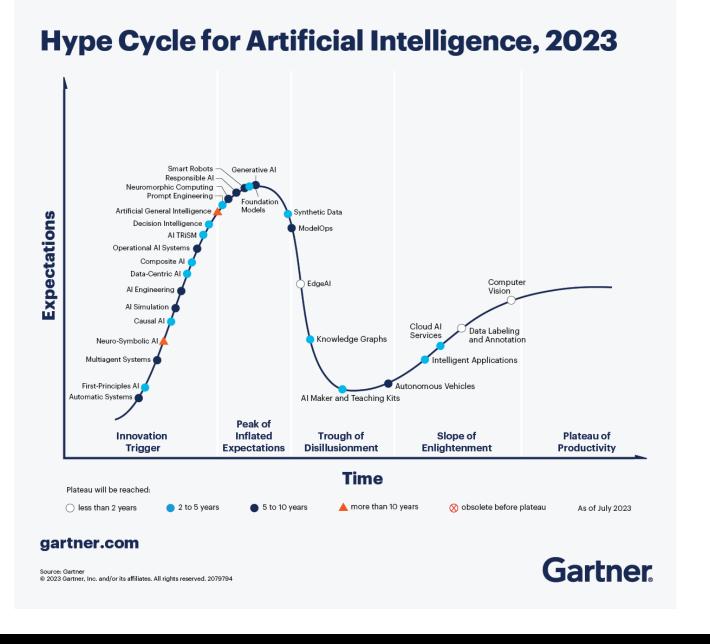


What will this ignite be about?



Annie Talvasto

CMO at VSHN – The DevOps Company

- **OCNCF** Ambassador
- OAzure MVP



- Kubernetes & CNCF meetup co-organizer
- Startup-coach
- ○Created TechCraft Show Tech interview show with Minecraft <a> □ <a>



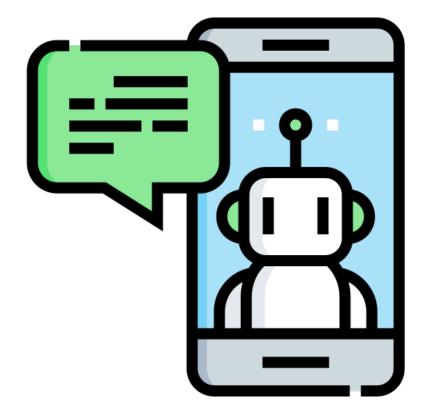
DevOps

 DevOps, derived from "Development" and "Operations," is a cultural and technical framework that amalgamates software development with IT operations practices.

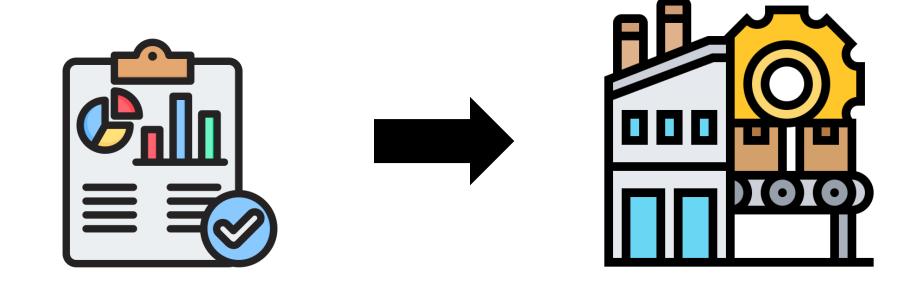


MLOps

Operations," is a set of practices, principles, and tools that combine machine learning (ML) with the practices of DevOps.



From Research to Production

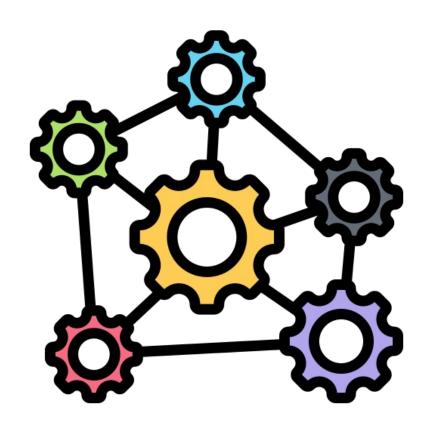


Data-Centric Nature



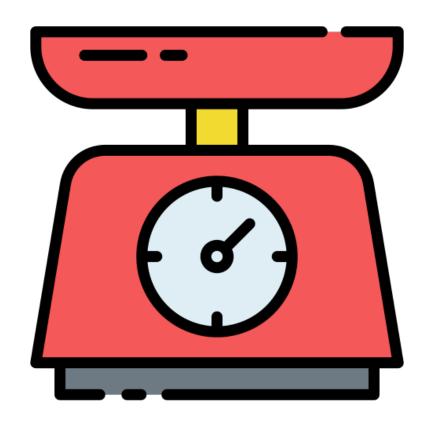
Model Complexity

Iterative Development



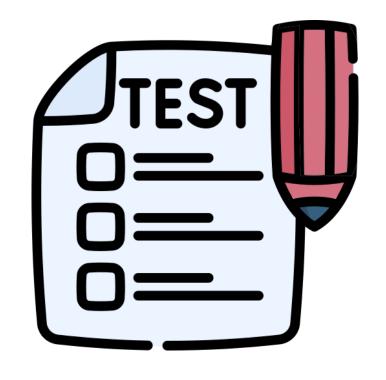
Scalability

Monitoring and Adaptation



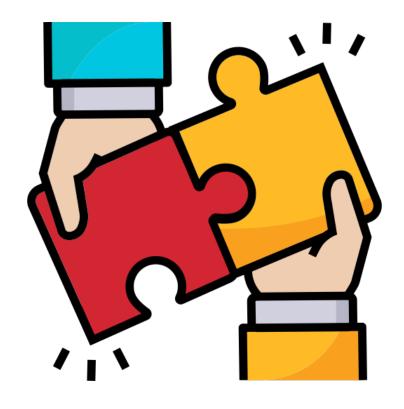
Testing and Validation

Explainability and Bias



Rapid Advancements

Collaboration



Deployment Challenges

Cost

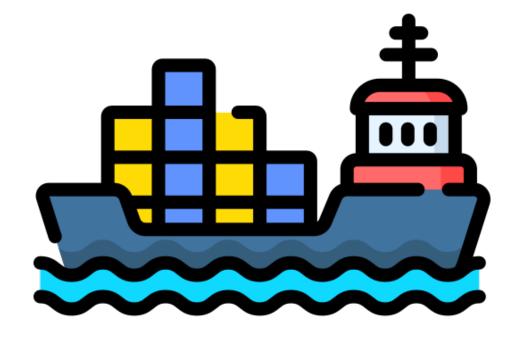


Kubernetes & MLOps



Kubernetes & MLOps

- OPortability
- Customizability
- Consistency















- Best Practice Rapid Fire:

 o MLOps DevOps
- Understand bottlenecks





Best Practice Rapid Fire: o MLOps DevOps

- o Understand bottlenecks
- o Uplevel your skills
- o It is all in the data

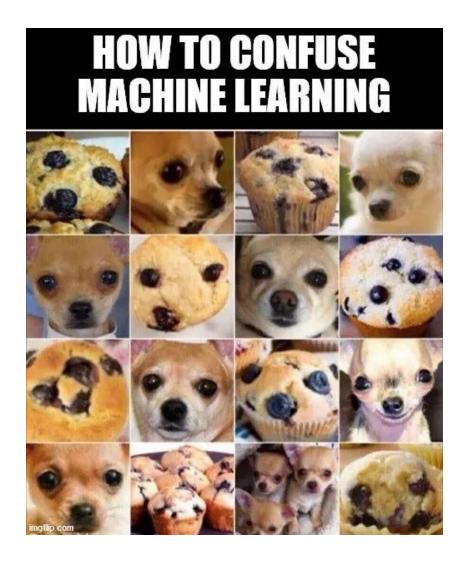


Ethical Considerations



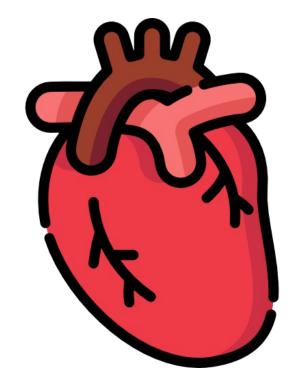
Learn more

- Links and slides: github.com/annietalvasto
- Practical MLOps by Noah Gift and Alfredo Deza (O'Reilly). Copyright 2021 Noah Gift and Alfredo Deza, 978-1-098-10301-9.
- Cloud Native Al Day Europe 2024:
 - https://youtube.com/playlist?list=PLj 6h78yzYM2PWGv34W6w5ssq1b1me RmY7&si=xVtogyR4BgibaUJU





MLOps



Devops