DEPLOY ML BOTS LIKE A BOSS WITH CI/CD

WILLIAM GALINDEZ ARIAS
@WilliamAriasZ
1. Why? One Person Band
*GROANING, MUTTERING*
2. How? Define the Symphony
Symphony: Model Life cycle View

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1. Data Ingestion
2. Data Versioning
3. Data Labeling
4. Data Validation
5. Data Preprocessing
6. Train Model
7. Model Analysis
8. Model Tuning
9. Model Feedback
10. Model Deployment
11. Model Validation
Data is under Version Control*
Common understanding of the process for everyone who comes and reads it.
Enables **Iteration** to improve Chatbot **performance**.
Symphony: Components View
Continuous Integration/ Continuous Delivery
It will make your life easier

*Conditions apply
3. **What?** Show me
Increased communication & Collaboration between teams
CI/CD Reliability, reproducibility, Auditability & Version Control
Manual Development

Pipelines

Processes: E2E Automation
Gitlab DevOps Platform
Gitlab.com

Open Source Conversational AI
rasa.com

Starter Project
https://gitlab.com/warias/pycon2020