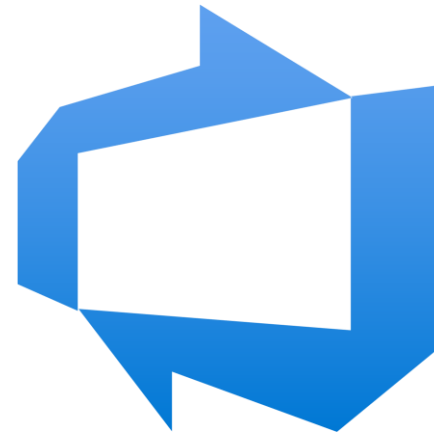


# KevOps for Azure Databricks



Azure Databricks



Azure DevOps

**Kevin Chant**

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Data Saturday Rheinland

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# Agenda

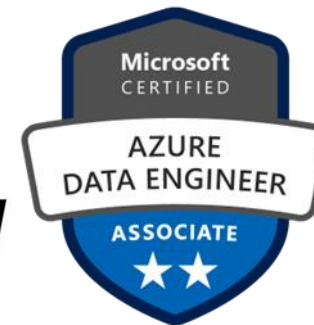
- Advantages of Unity Catalog
- Introduction to Azure DevOps
- Databricks Repos
- CI/CD for notebooks
- Keep Databricks secrets secret
- Automating job information

# Kevin Chant

- Data Engineering Manager in the Netherlands
- Worked in IT since Windows 95
- Experience in various sectors
- Various certifications, dual-category MVP



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- Blog: <https://www.KevinRChant.com>
- GitHub: <https://github.com/kevchant>



# Advantages of Unity Catalog

Unifies  
workspaces

Easy admin

Credential  
Passthru  
options

Enable  
Identity  
Federation

Add  
workspace

Databricks  
Runtime  
11.3 LTS &  
above

# Azure DevOps overview

Collection  
of services

Azure  
Boards for  
work items

Azure  
Repos to  
store code

Azure  
Pipelines to  
deploy  
things

Azure Test  
Plans to  
manage  
tests

Azure  
Artifacts to  
store  
artifacts

# CI/CD for notebooks

Databricks preferred  
method

Microsoft preferred  
method

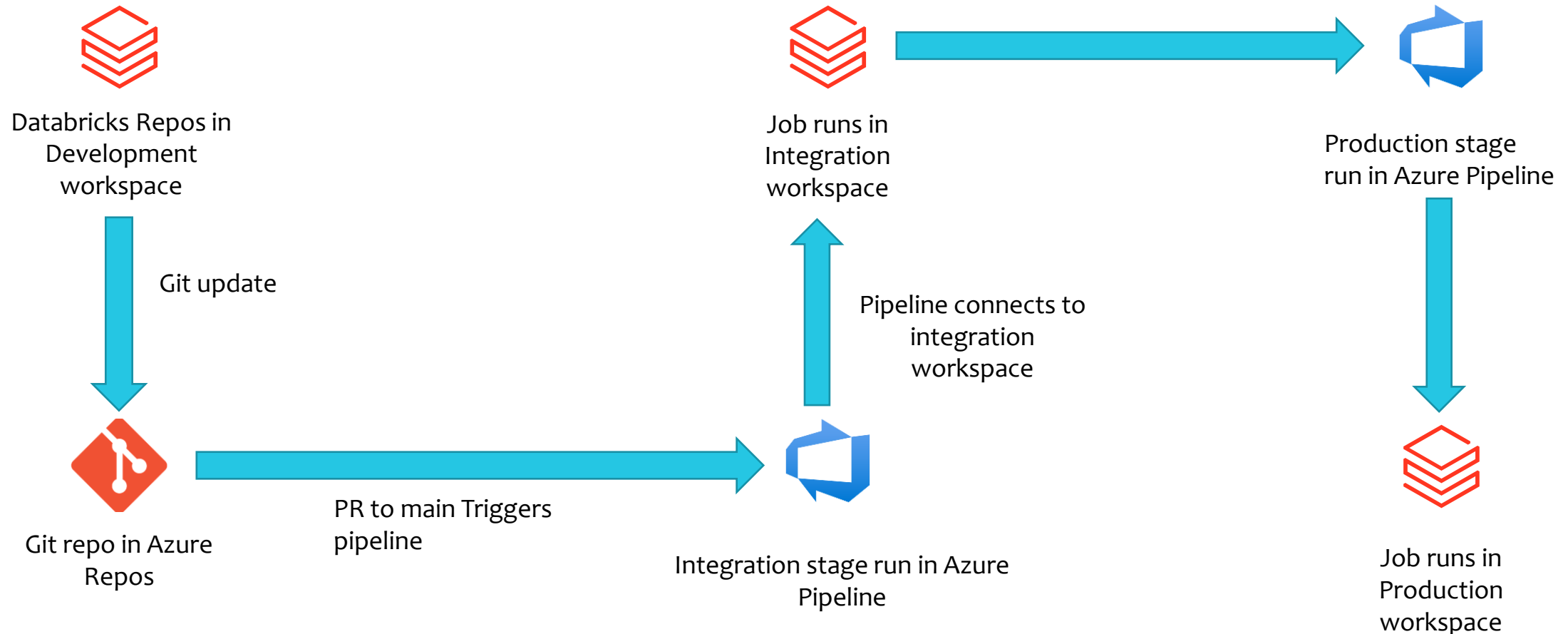
# Databricks method

Works directly with  
Databricks Repos

No actual build

Example based on  
YAML

# Databricks method diagram





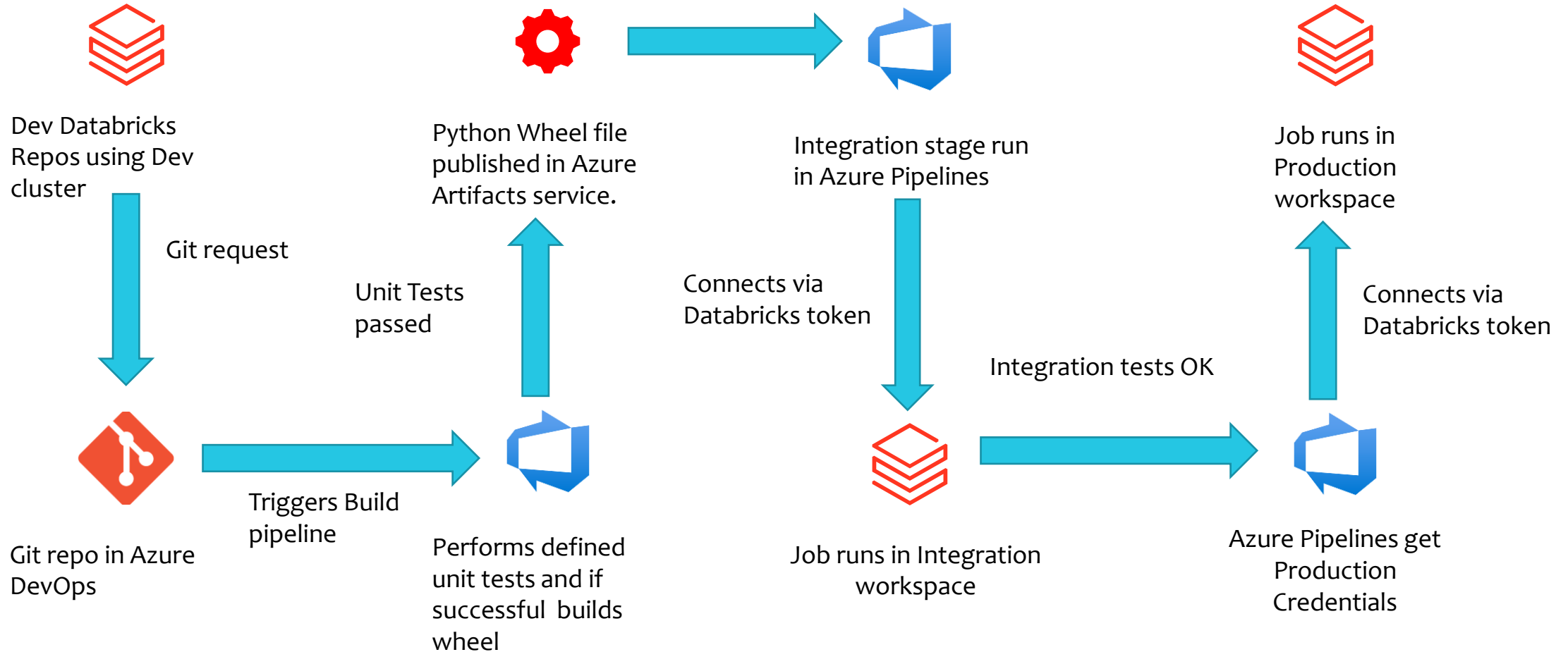
# Microsoft method

Whl (wheel) file  
method

More complex

Encourages IDE

# Microsoft method diagram



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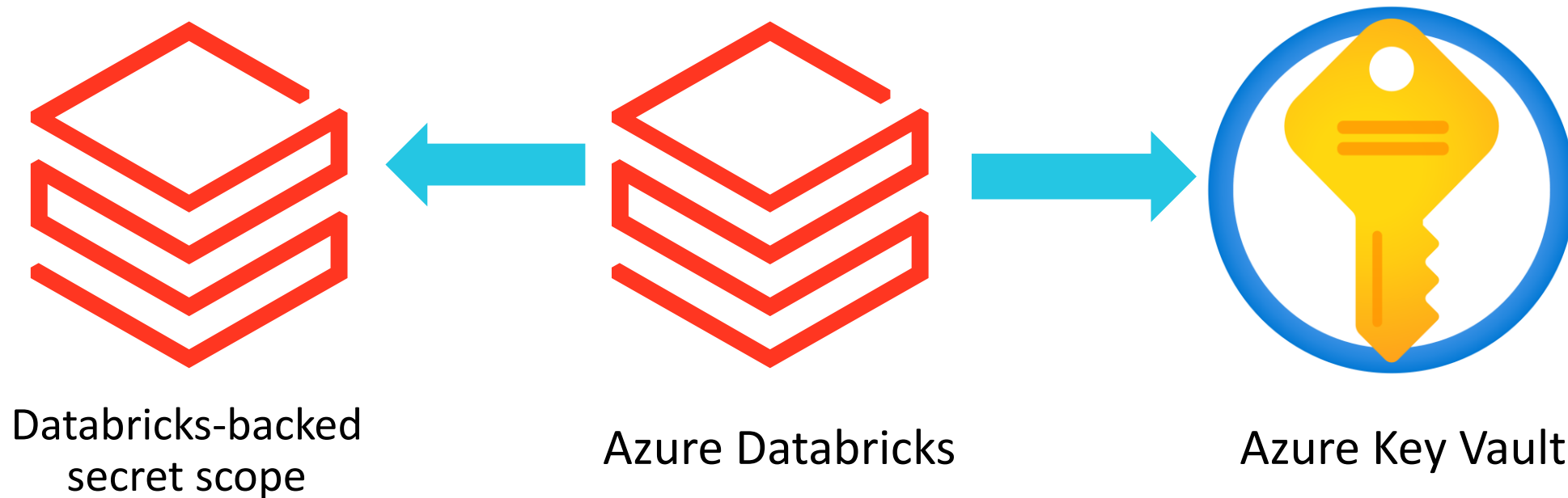
# Other options

Hybrid method

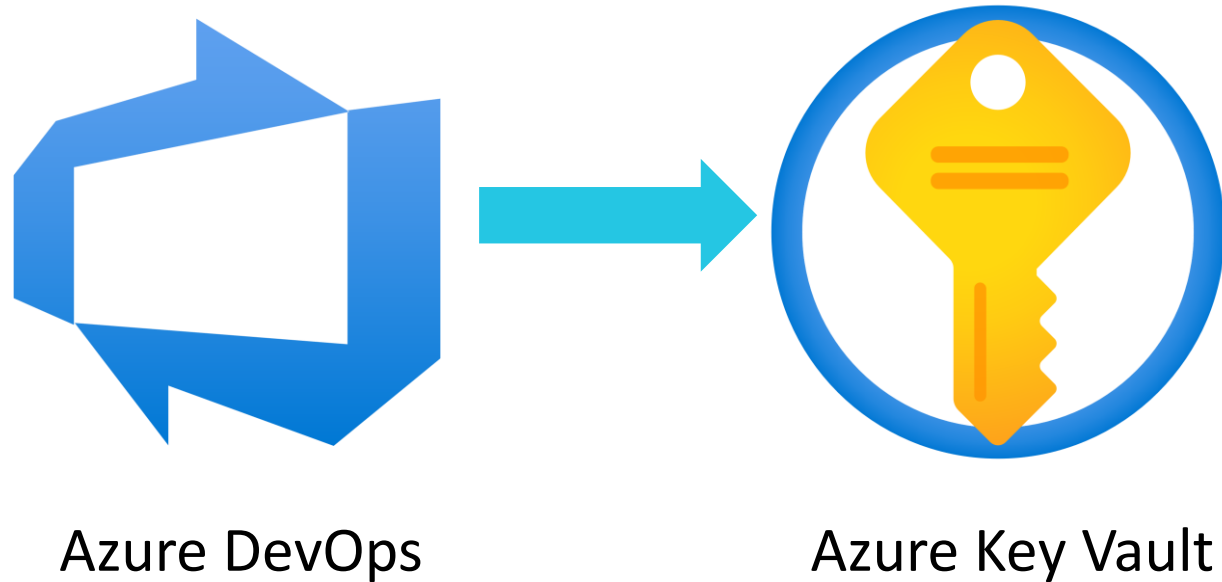
Multiple  
organizations

Keep working with  
notebook  
connections

# Keeping Databricks secrets secret



# Keeping Databricks secrets secret



# Automating job information

Extract JSON  
required

API method

Automate  
extraction via  
Azure Pipelines

---

# Questions



# Thank you



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- GitHub: <https://github.com/kevchant>