# The Rise of Al-Powered Security Orchestration

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- 1 Introduction
- 2 Traditional DevSecOps Challenges

Agenda

- The promise of Al
- 4 Al-Powered Orchestration
- 5 Closing Remarks

# A Ship in a harbour is safe but that is not ship are built for.

John A. Shedd - <u>Salt in my Attic</u>.



Uday Korlimarla
Sr. Technical Success
Manager

# Traditional DevSecOps Challenges

#### Silos

One common theme is silos resulting into communication gaps

#### **Manual Processes**

Manual processes for tasks like provisioning, deployment, and testing



#### **Automation**

Manual configuration and management become increasingly challenging as complexity increases

## **Visibility**

Traditional DevOps setups may lack robust monitoring and visibility into the entire application stack

### Security as an afterthought

Security is often addressed as an afterthought in traditional DevOps, rather than being integrated into the development process from the beginning. This can lead to vulnerabilities and security breaches.

## The promise of Al

Al allows businesses to analyze vast amounts of data quickly and accurately.

Netflix use Unsupervised ML to understand customer preferences and behavior, enabling data-driven decisions on content recommendations, personalization, and pricing strategies.

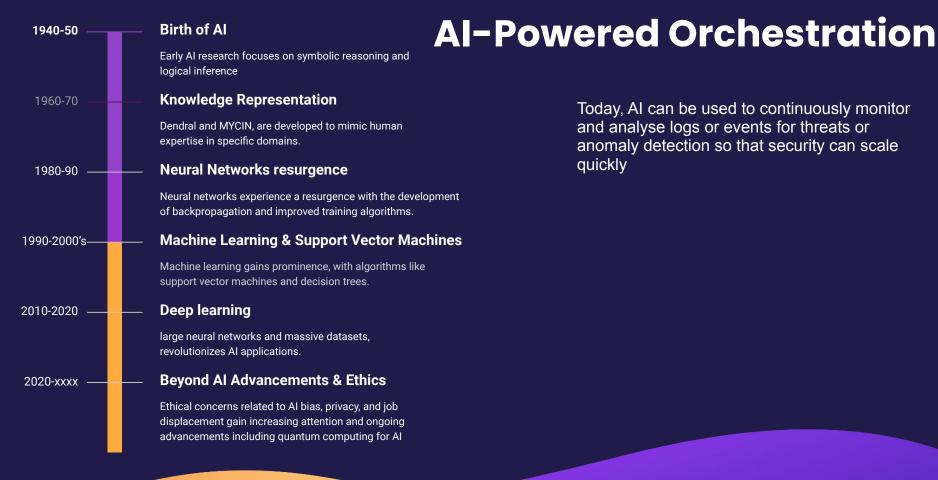
Tesla uses Al to process data from sensors and cameras, informing real-time decisions for autonomous driving.

## Tesc Safer driving!

# Netflix

**Recommender systems** 

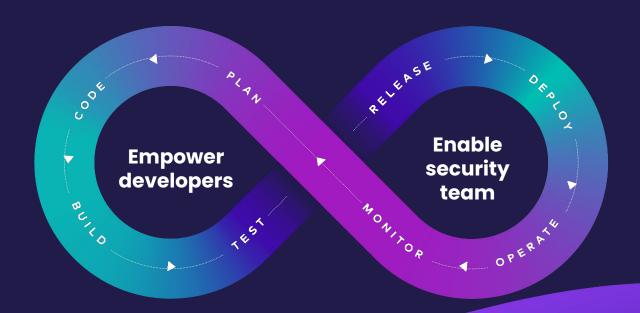
GPT-4
Content generation



Today, AI can be used to continuously monitor and analyse logs or events for threats or anomaly detection so that security can scale quickly

## Traditional DevOps Process

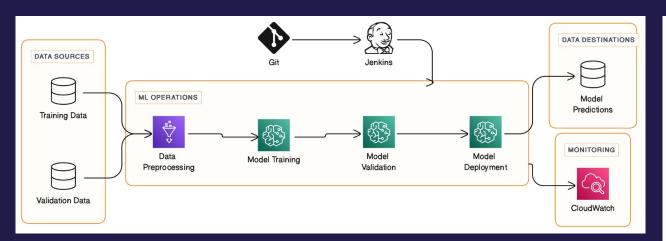
Using AI to extend the reach of your security team with a developer-centric approach

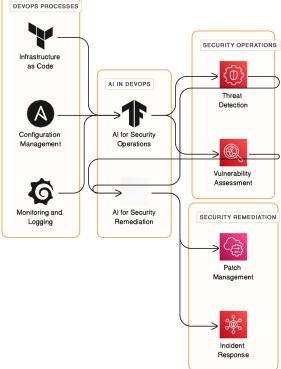


# **AI-Driven Orchestration**



## Instance: Al-Drive DevOps Process



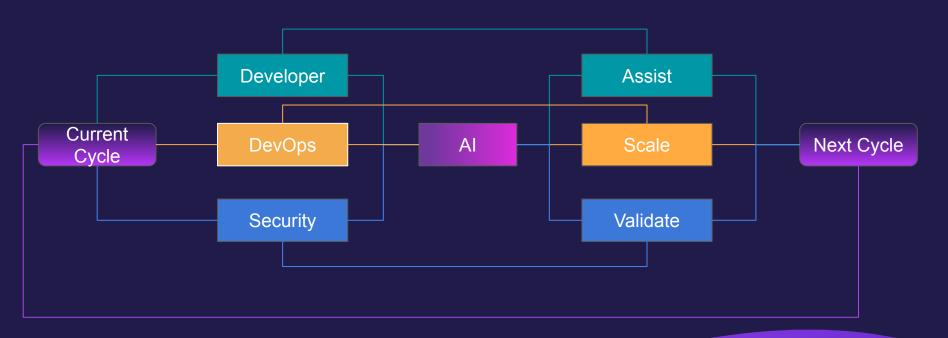


### Note:

This architecture diagrams here are generic depictions on how AI in DevOps processes can benefit organisations.

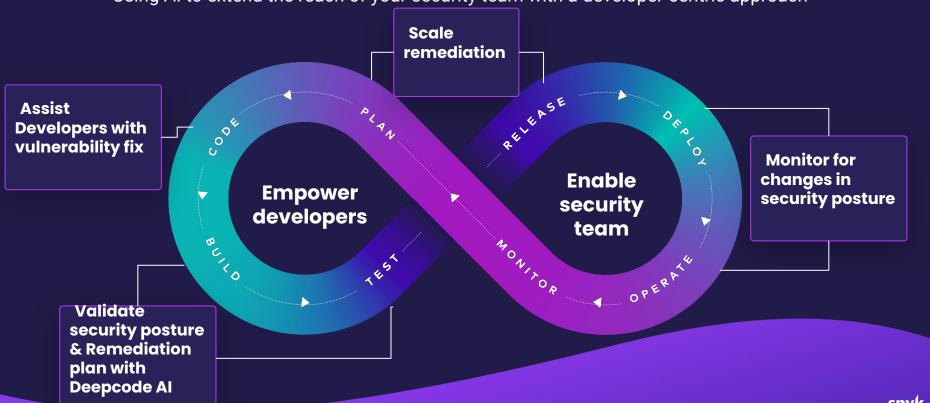


# **AI-Drive DevOps Process**



# Al-Driven DevSecOps Process

Using AI to extend the reach of your security team with a developer-centric approach



## **Closing Remarks**

A Ship in a harbour is safe but that is not ships are built for.

Make use of AI best suited to meet your goals. AI is still evolving and is a double edged sword. Malicious actors can use the same technology to cause harm or naive usage results into privacy issues



# Thank you for tuning in!

Please meet us at our booth to learn more about Snyk's journey with Al, Deep Learning & Neural networks