

Identifying the Benefits of DevSecOps



Richard Harpur

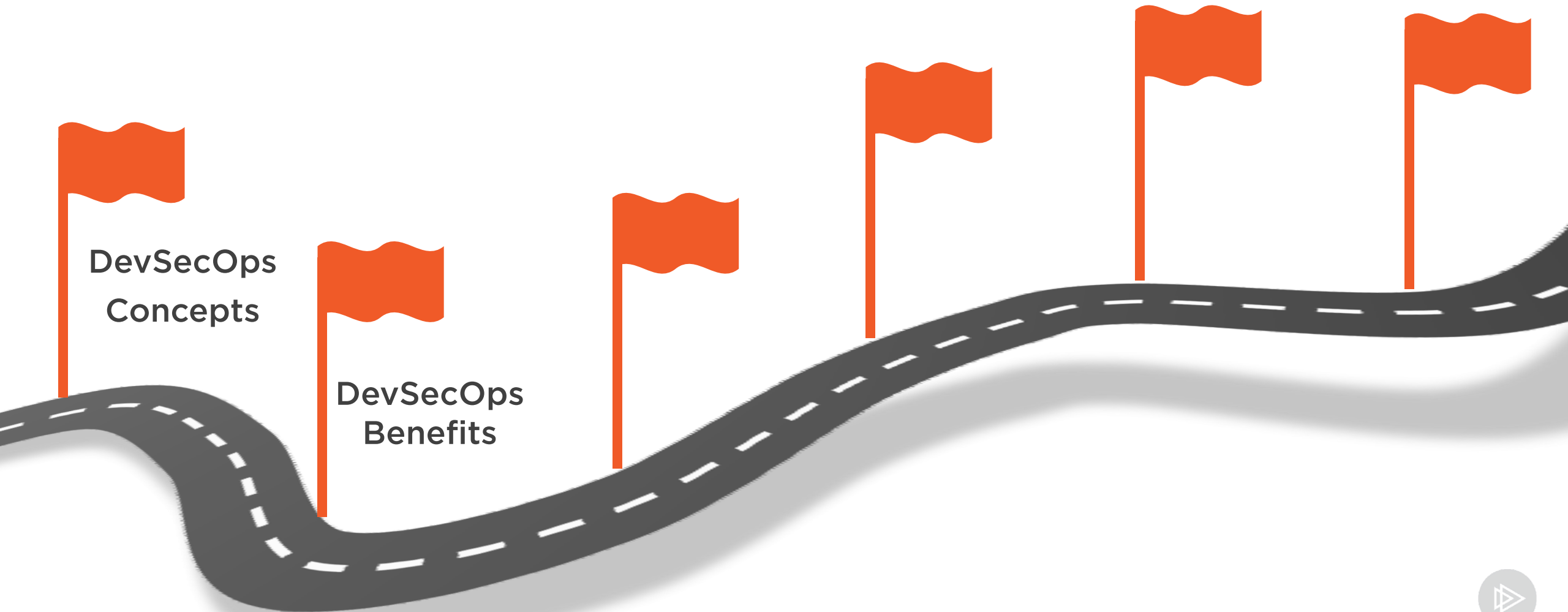
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Continue Our DevSecOps Journey



Overview



Where is DevSecOps appropriate

Demonstrate benefits of DevSecOps

Roles & responsibilities within DevSecOps





Developer

IT Security

DevOps

Manager



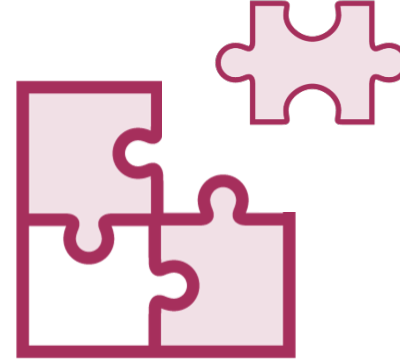
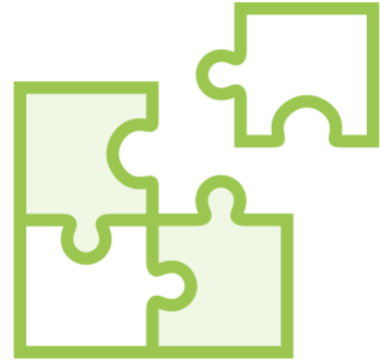
Operations

CFO

Justification of DevSecOps



Where is DevSecOps Appropriate?



Where is DevSecOps Appropriate?



Very suitable

Agile methodology

Existing DevOps in place

Many releases per year

Some automation in place

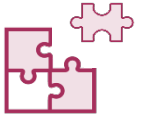
Possibly not as suitable

Waterfall methodology

Highly regulated, requires approval

Few releases per year

Zero automation in place





Helping Ben

Ben is a software developer

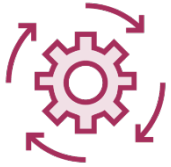
He has worked for Globomantics for 3 years now

Ben wants to introduce DevSecOps practice

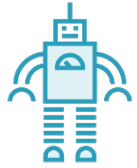
We will help Ben identify the benefits of DevSecOps so that he can get support from his manager and peers



About Globomantics



Use an agile methodology



Basic DevOps practice in place



Open to trying new initiatives, but have limited resources



Tight release deadlines, due to new customer wins



Some Benefits of DevSecOps Practice

Reduce time on rework for security vulnerabilities

- Security issues are found earlier in the lifecycle, reducing the cost of remediation and rework

Reduce risk for Globomantics and customers

Increased team collaboration

Consistency in approach - continuous security

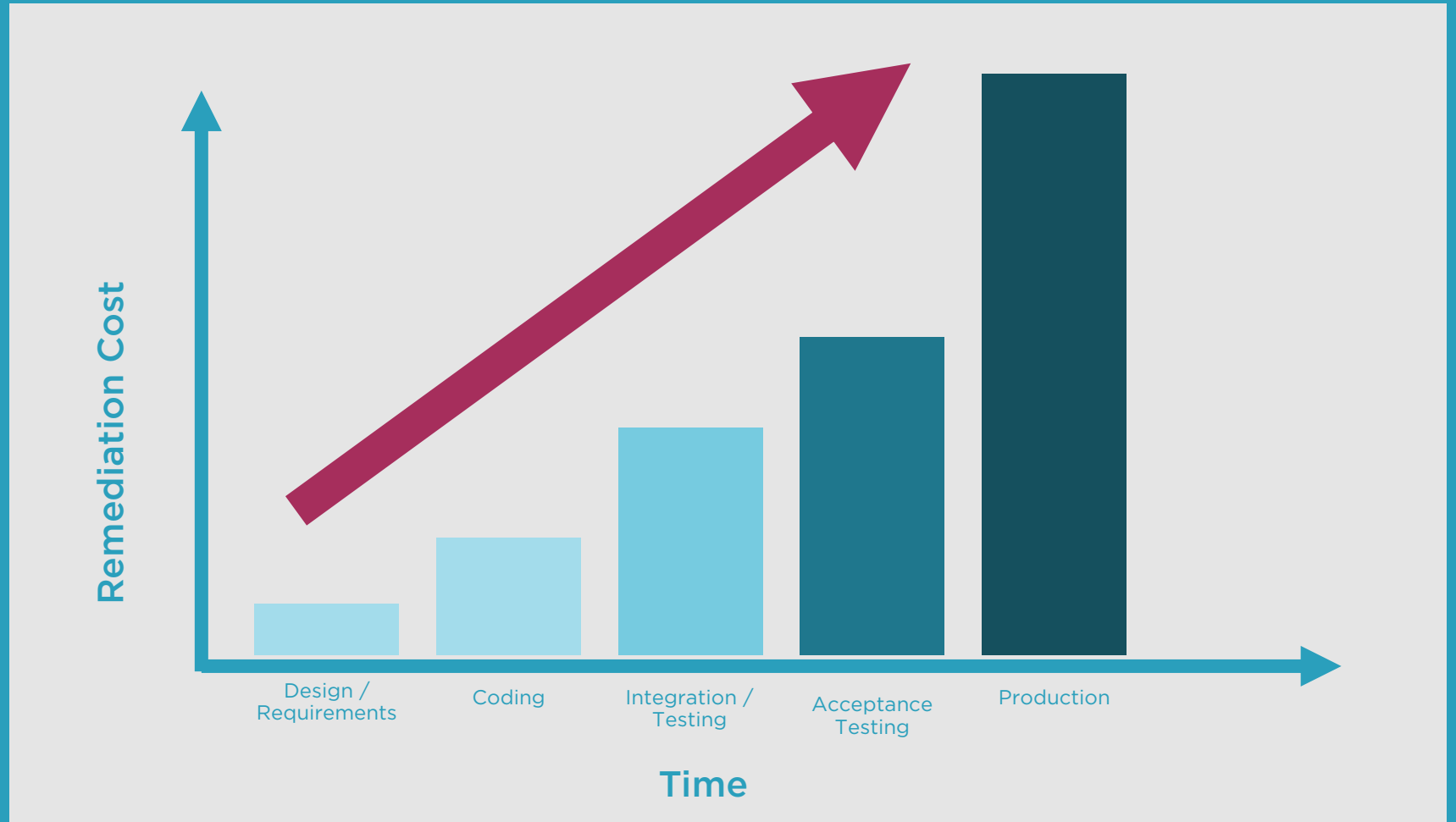
Increased compliance levels - 'Secure by design'

- Better and automated security testing helps compliance with various laws
- GDPR - General Data Protection Regulation
- CCPA - California Consumer Privacy Act



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Roles & Responsibilities

Role / Activity	Responsibility	Fulfilled By
Tooling	Ensure the DevOps pipeline is extended to include security testing, integrate with security testing tools.	DevOps Engineer or Software Engineer
Vulnerability Management	Ensure all vulnerabilities are managed, block deployments in accordance with your company's risk policy.	AppSec Engineer or Software Engineer
Application Security	Specialised engineer with focus on security fixes.	AppSec Engineer or Software Engineer
Compliance	Ensure testing meets any compliance or regulatory obligations and evidence is available to demonstrate compliance.	IT Professional or Software Engineer



Summary



Leverage existing DevOps process

Communicate the upside of DevSecOps

DevSecOps more culture than a team

Up Next

- Adopting DevSecOps in your Software Development Lifecycle

