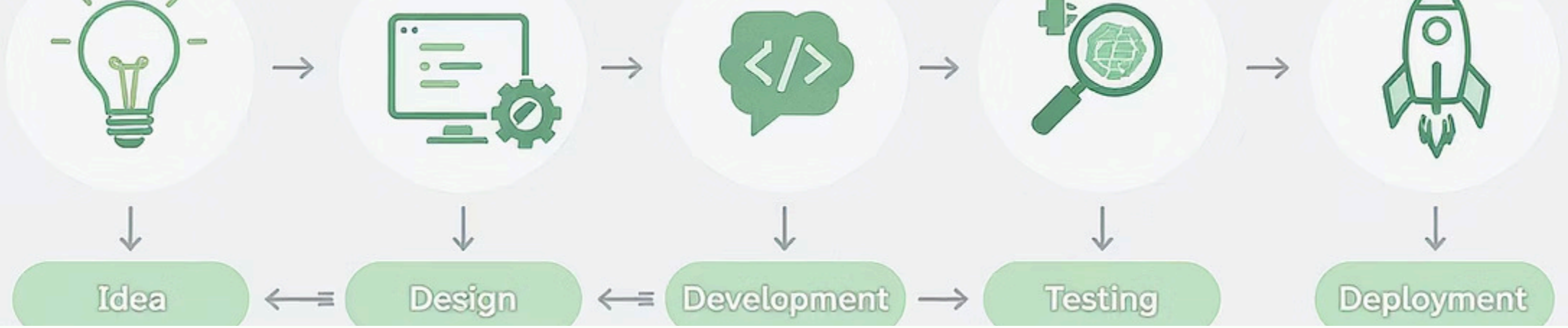




The Technology Value Stream

This document presents a comprehensive overview of "The Technology Value Stream," focusing on key concepts such as Lead Time vs. Processing Time, the common scenario of lengthy deployment lead times, and the ideal DevOps approach for achieving rapid deployment. The findings will be structured in a presentation format, including graphics and citations as necessary.

SS by Steve Stylin



Introduction to the Technology Value Stream

Definition

The Technology Value Stream encompasses all the steps involved in delivering a product or service, from initial concept to deployment and beyond.

Importance

Understanding this stream helps organizations identify inefficiencies and optimize processes.

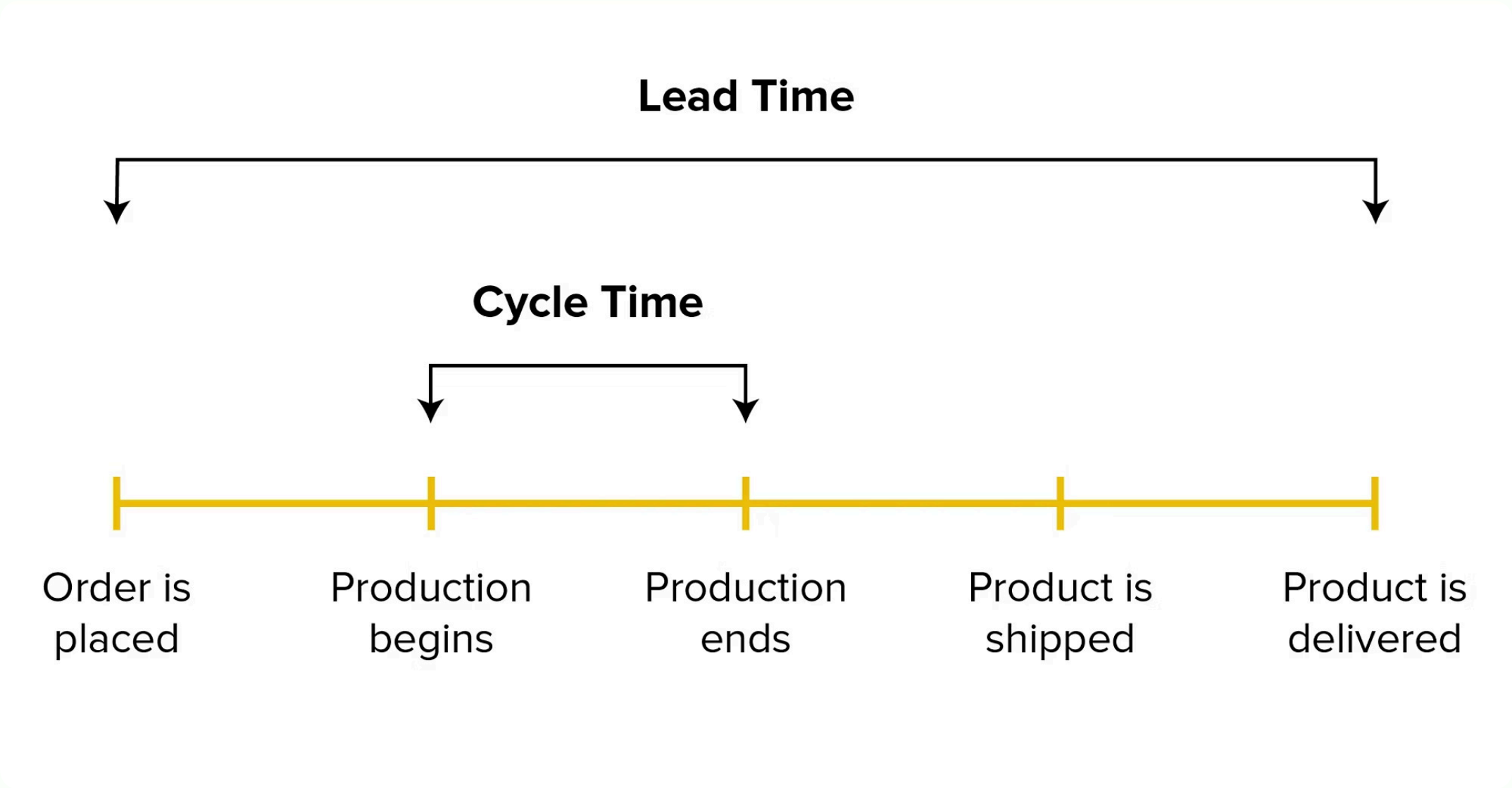
Defining Lead Time vs. Processing Time

Lead Time

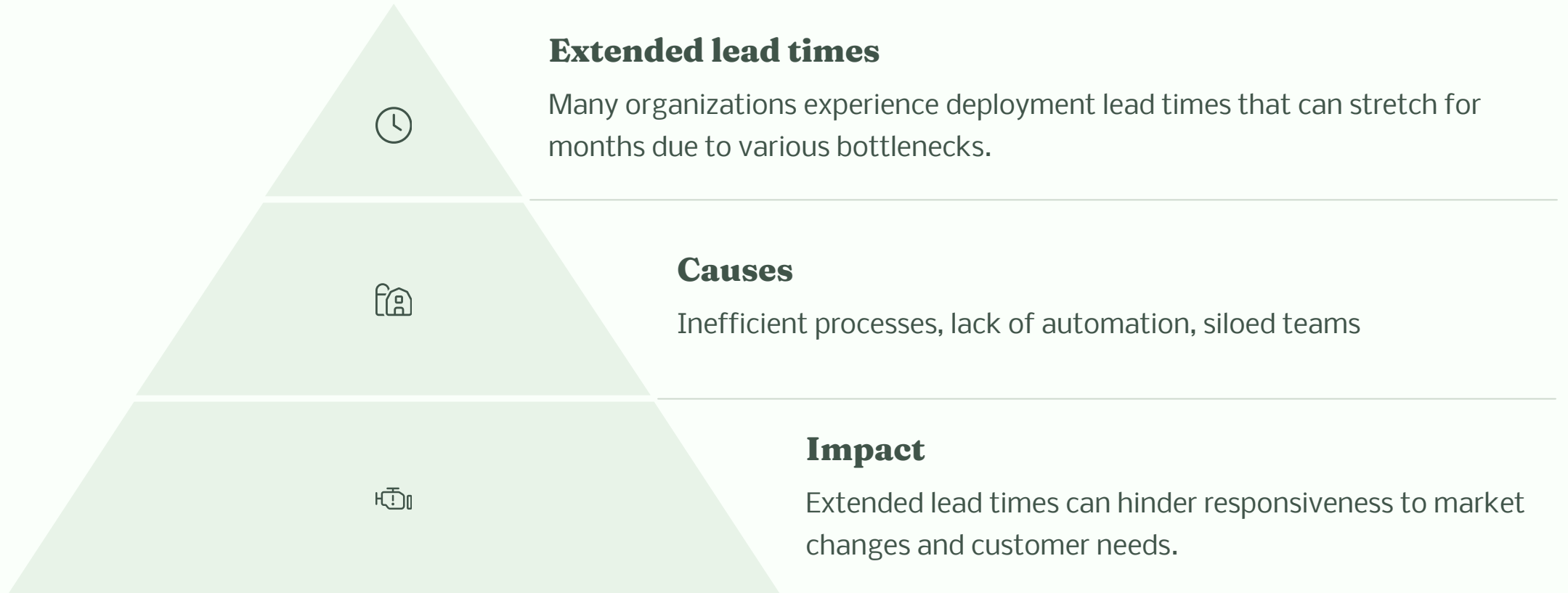
The total time taken from the initiation of a request to its completion. This includes waiting time, processing time, and any delays.

Processing Time

The actual time spent actively working on a task or project, excluding any waiting periods.



The Common Scenario: Deployment Lead Times Requiring Months



Our DevOps Ideal: Deployment Lead Times of Minutes

1

CI/CD

Continuous Integration/Continuous Deployment



Automation

Automated testing and deployment processes



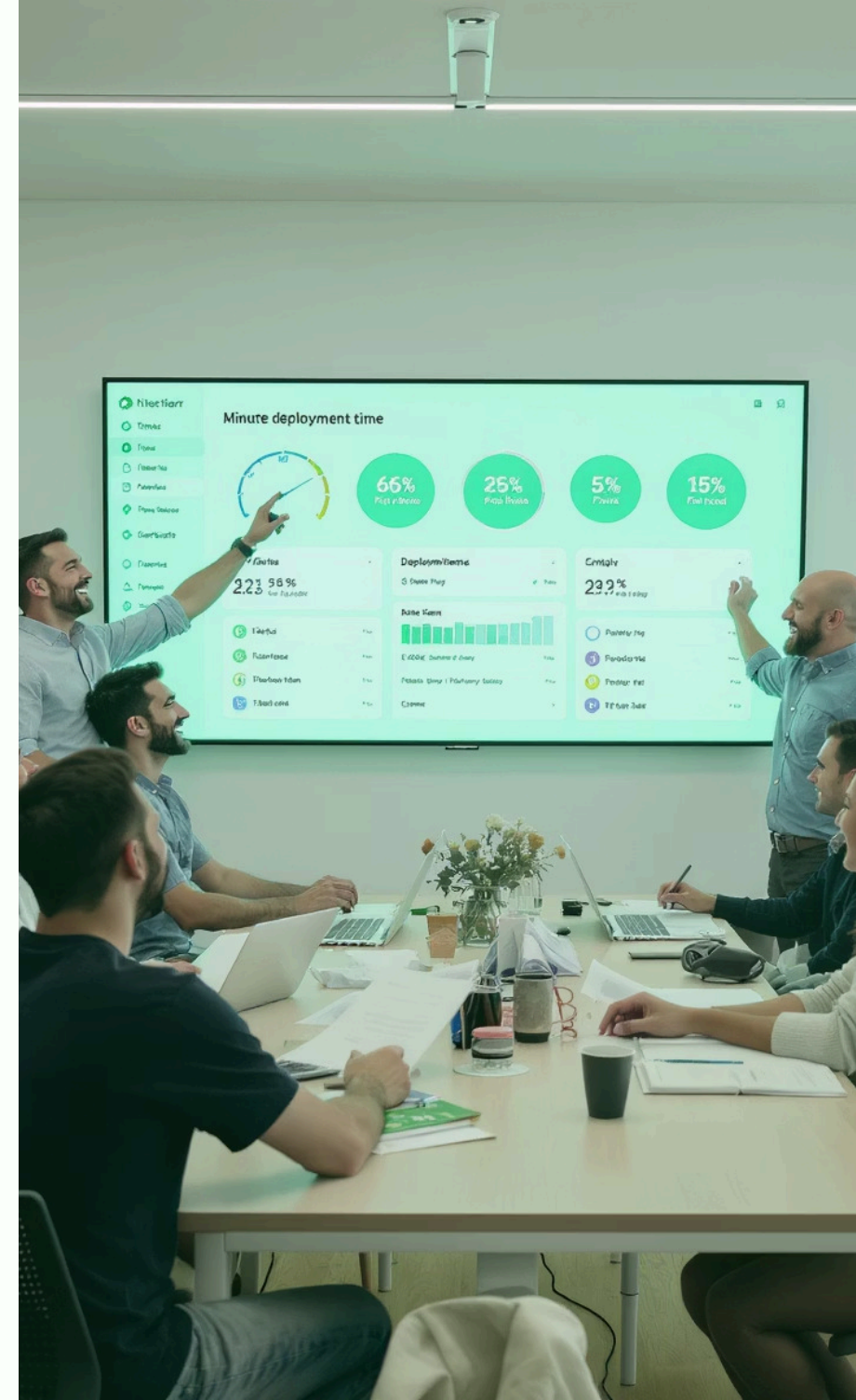
Collaboration

Cross-functional teams working together



Benefits

Faster time-to-market, improved quality, enhanced customer satisfaction



Case Study: Successful Implementation of DevOps

90%

Reduction in Lead Time

After DevOps implementation

5x


Deployment Frequency

Increase in deployment rate

70%

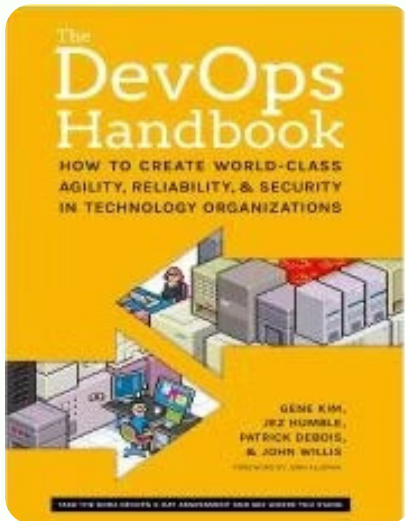
Defect Reduction

Fewer bugs in production

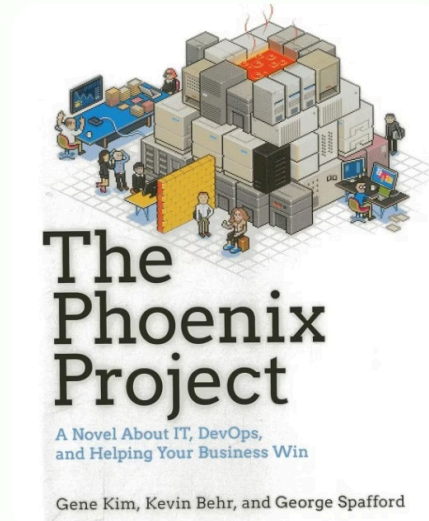
 *DevOps success stories of Top 5 market leaders of USA.*



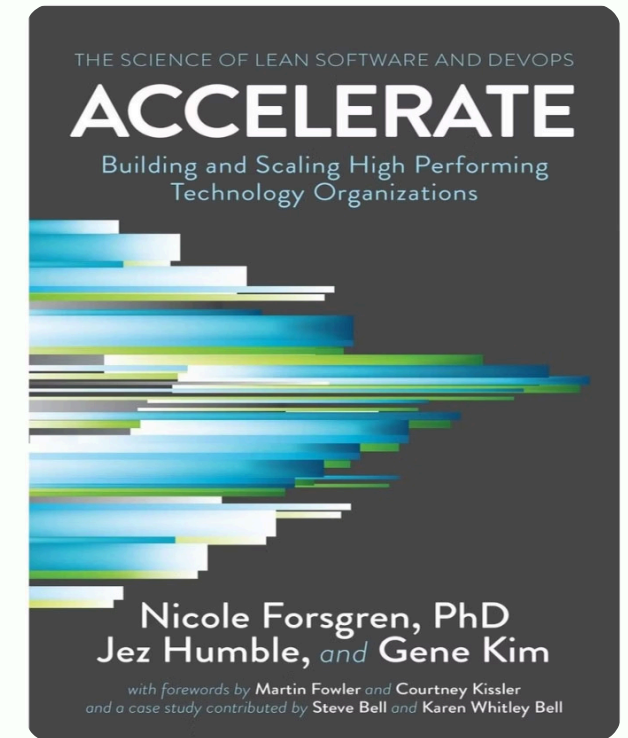
Tools and Technologies Supporting the Technology Value Stream



Gene Kim, Jez Humble, Patrick Debois, John Willis



Gene Kim, Kevin Behr, George Spafford



Nicole Forsgren, Jez Humble, Gene Kim

Arora, S. (2025, February 5). *DevOps success stories of Top 5 market leaders of USA*. Compunnel.

<https://www.compunnel.com/blogs/devops-success-stories-of-top-market-leaders/>

Thank You

Thank you for reading