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INFORMATION SECURITY

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contentful

BC
SB
2019.3

BERLIN CYBER SECURITY BRIEFING 2019.3

INTRO

Patrick Sukop

Security Consultant at Blaze Information Security
OSCP, Contributor to OWASP Cheathseet,
Twitter: iKnadt, **Github:** Knadt

The cost of fixing security vulnerabilities in each phase of the SDLC

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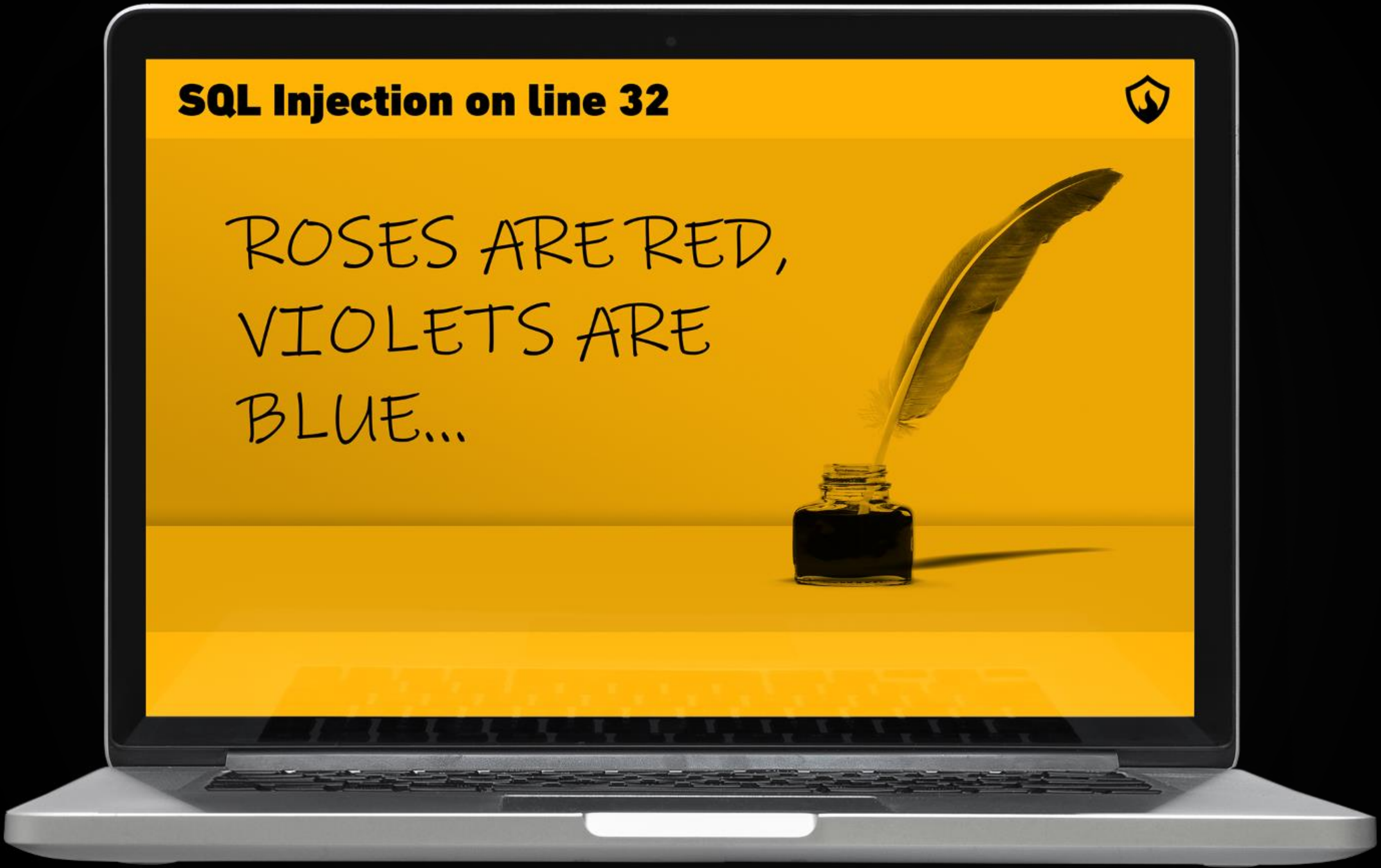
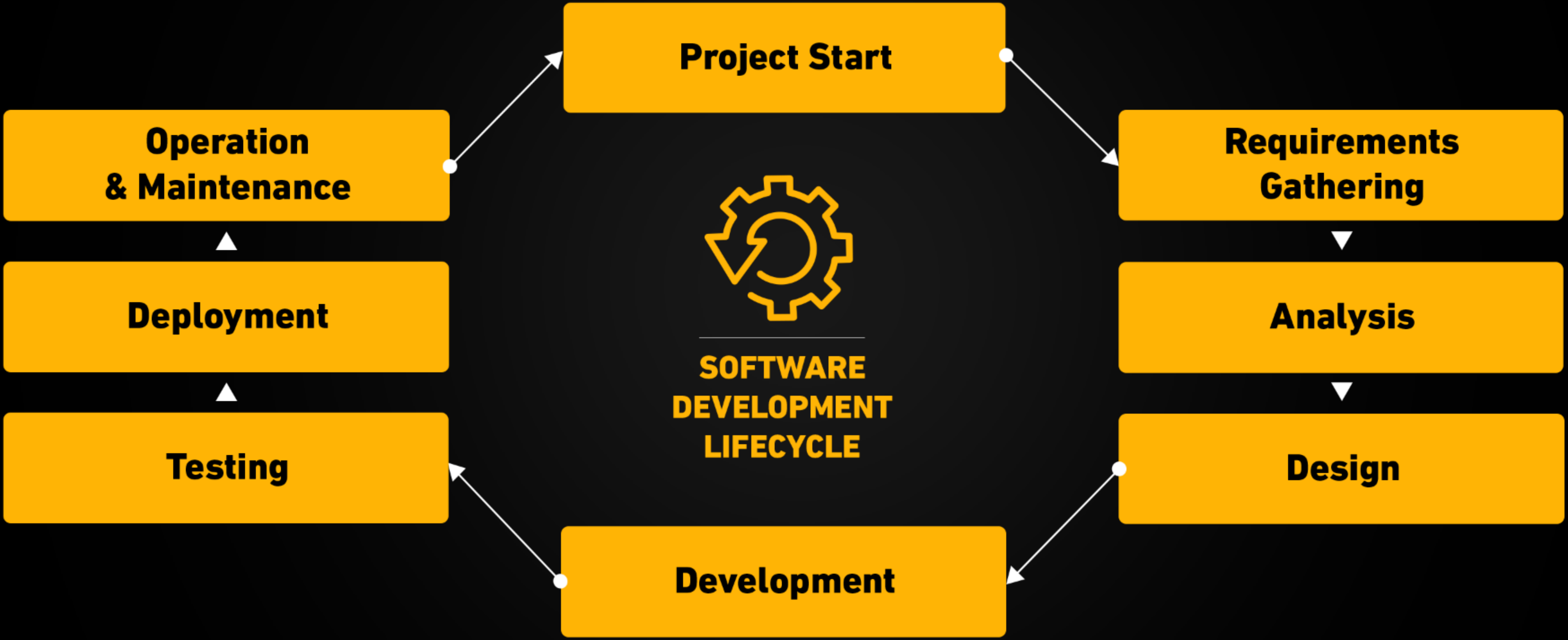


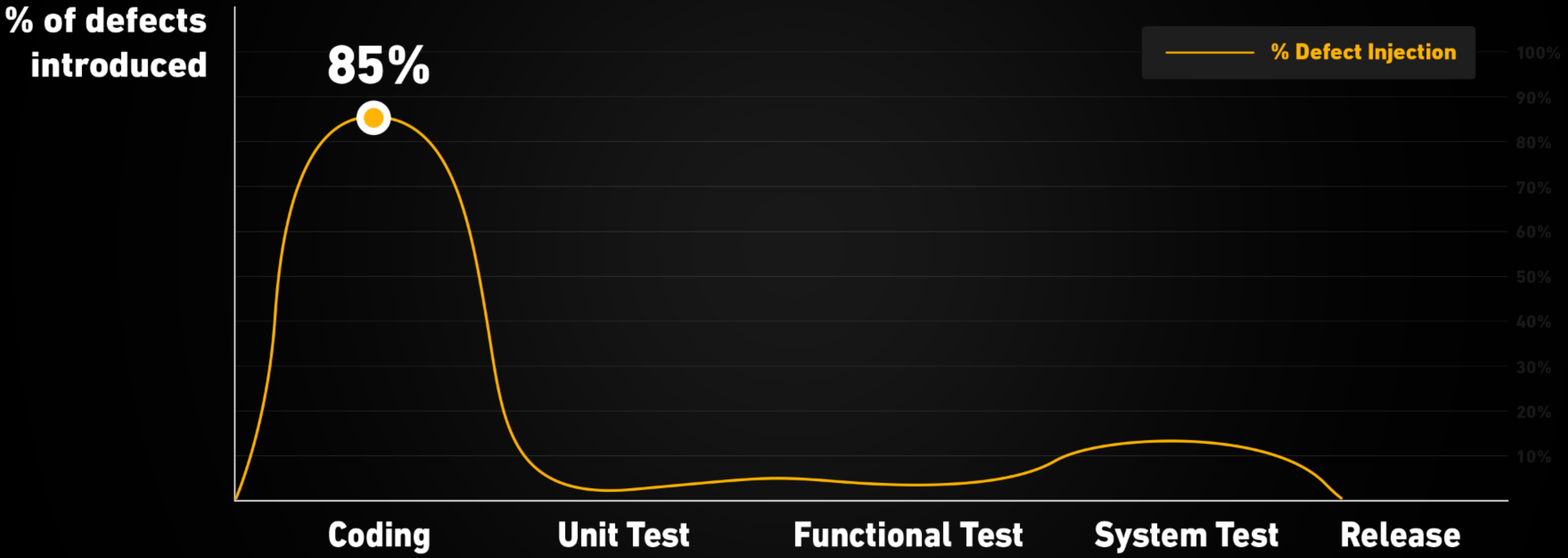
SQL Injection on line 32

ROSES ARE RED,
VIOLETS ARE
BLUE...

WHAT IS THIS SDLC YOU SPEAK OF?



WHERE DEFECTS ARE INTRODUCED?



SOURCE: *Jones, Capers: "Applied Software Measurement: Global Analysis of Productivity and Quality"*

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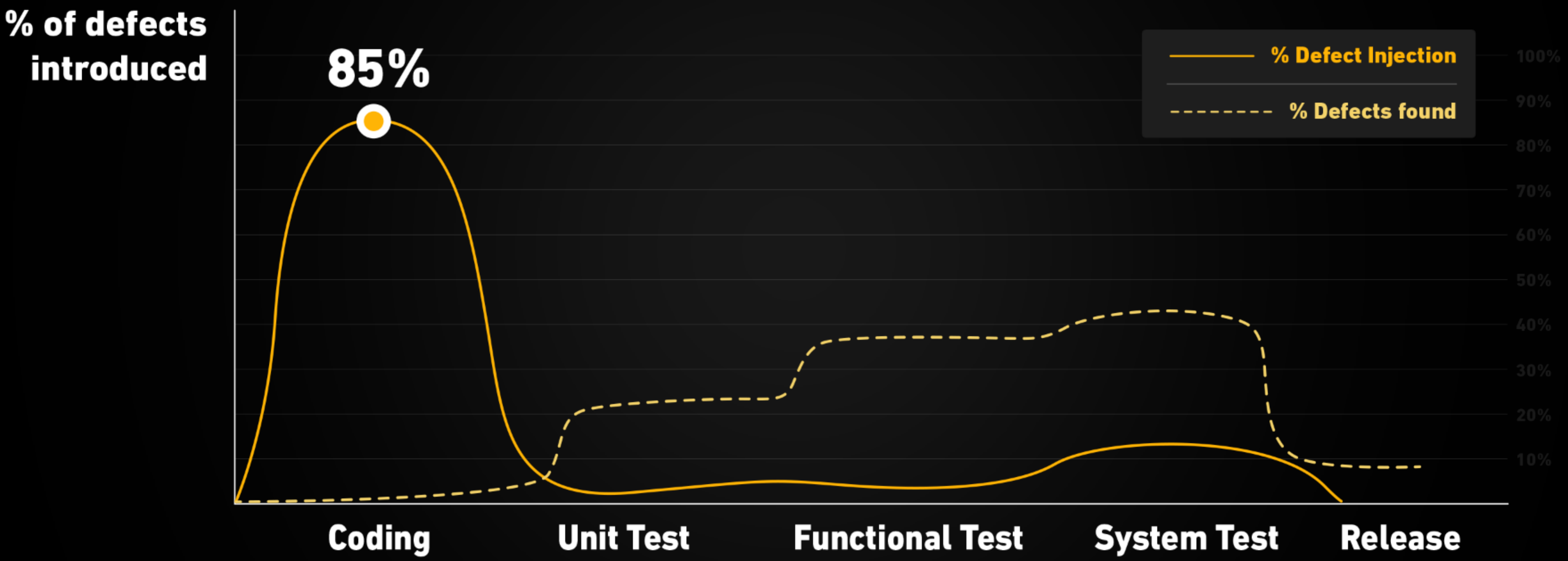
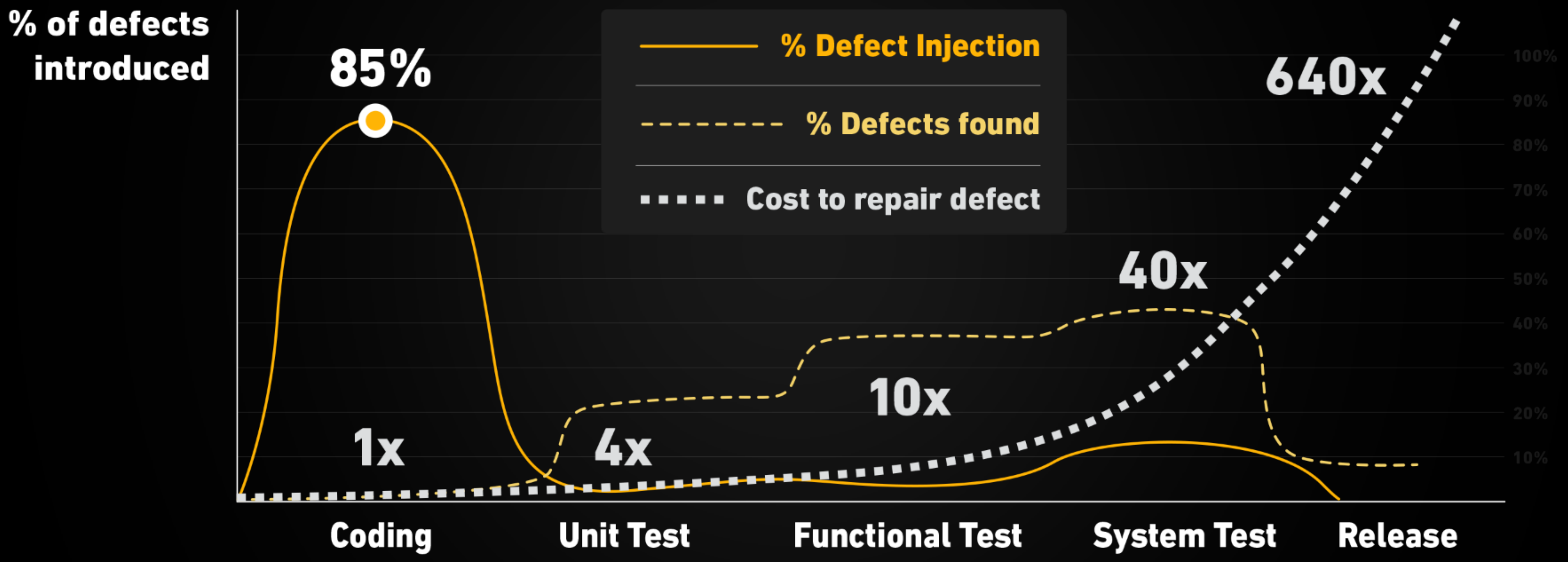
WHERE DEFECTS ARE DISCOVERED?



SOURCE: *Jones, Capers: "Applied Software Measurement: Global Analysis of Productivity and Quality"*

THE COST OF FIXING THE DEFECTS



SOURCE: *Jones, Capers: "Applied Software Measurement: Global Analysis of Productivity and Quality"*

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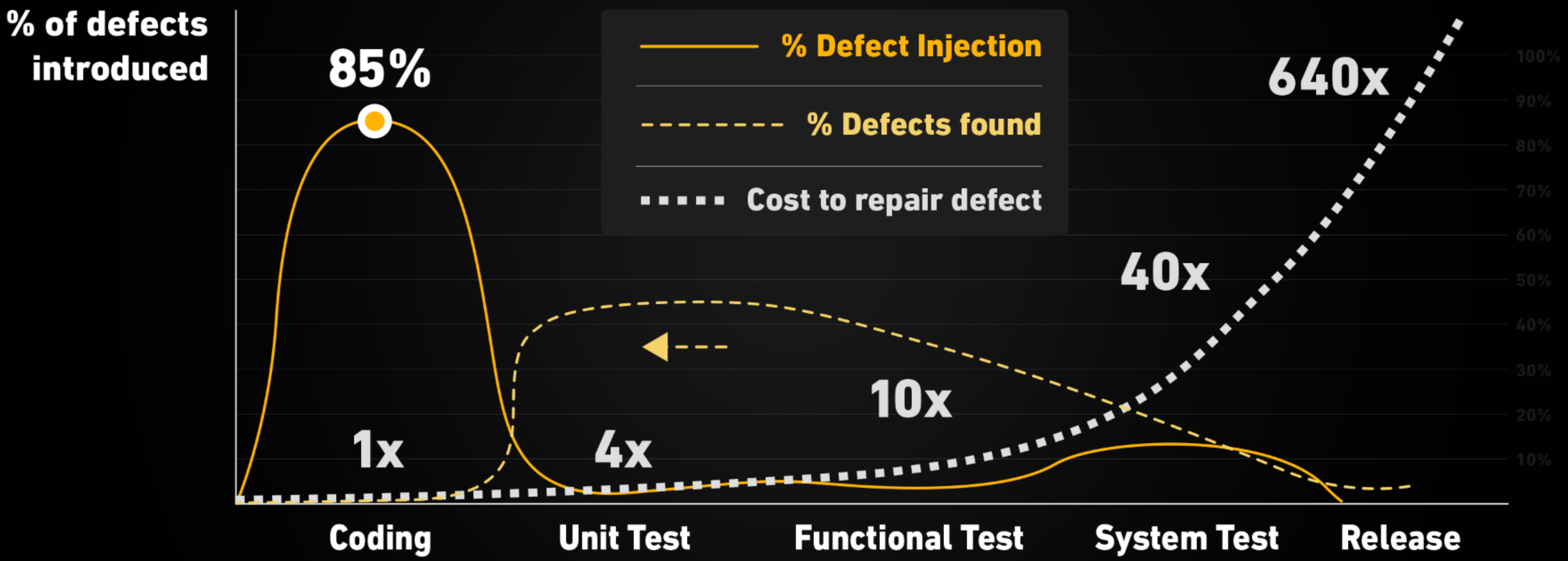
S-SDLC



SOURCE: *Jones, Capers: "Applied Software Measurement: Global Analysis of Productivity and Quality"*

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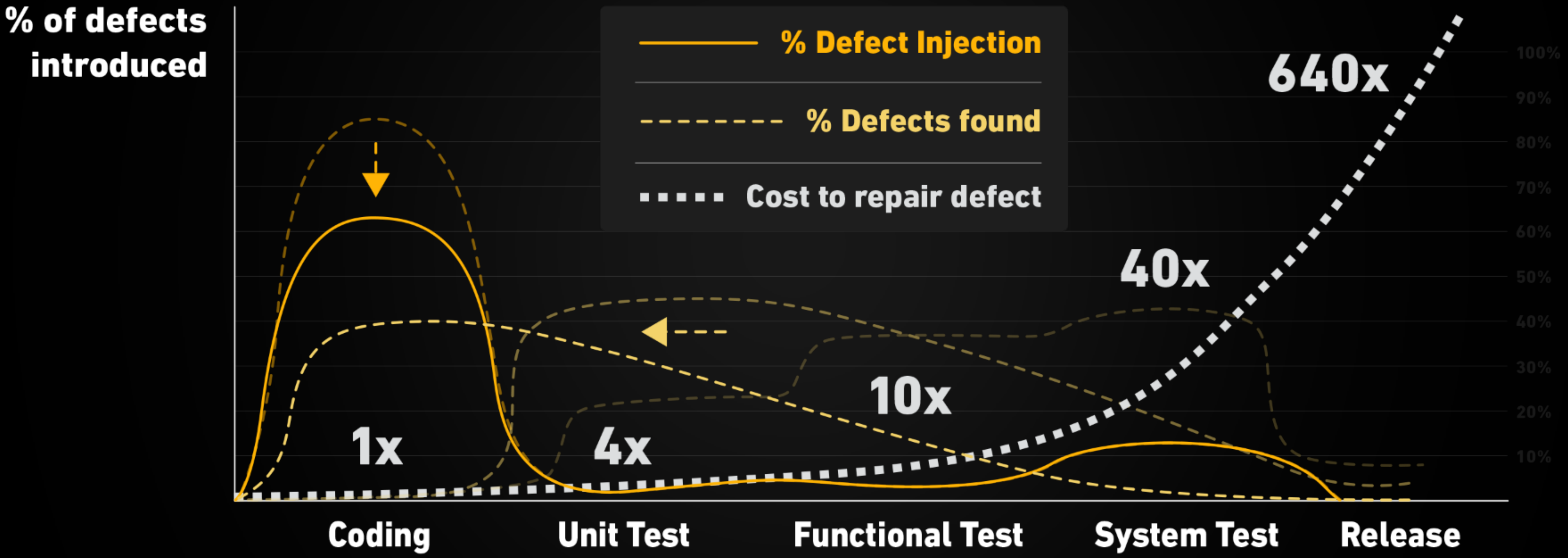
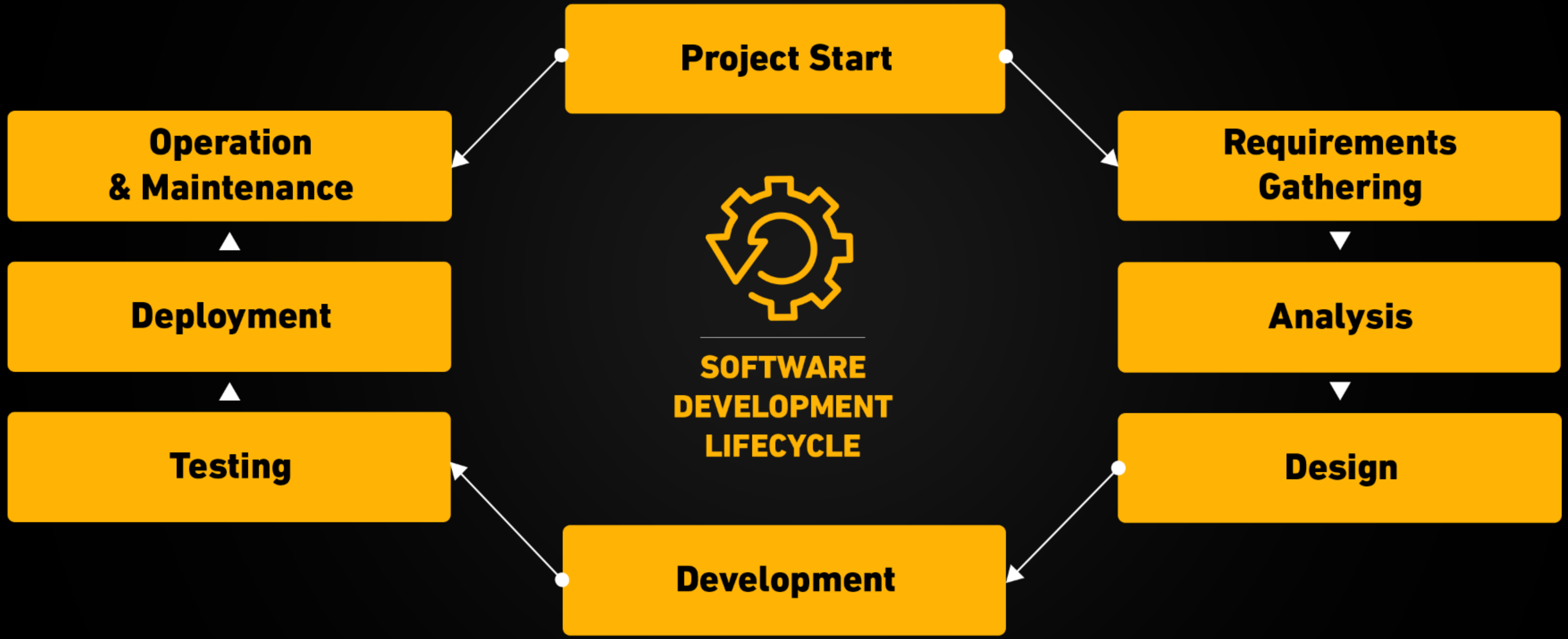
COMPARISON



SOURCE: *Jones, Capers: "Applied Software Measurement: Global Analysis of Productivity and Quality"*

HOW TO DO IT?



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SDLC: REQUIREMENTS ANALYSIS

Requirements Gathering

- Security **Analysis**
- Security **Threat Modeling**

SDLC: DESIGN

Design

○ Security **Test Plan**

SDLC: DEVELOPMENT & UNIT TESTING

Development

- **Education**
- **IDE Plugin** (PUMA SCAN C#)
- **Source Code Review** (Manual)
- Security **White Box Testing**

SDLC: SYSTEM TEST

Testing

- **Penetration Testing**
- **Security Black Box Testing**
- **Vulnerability Scanning** (Nessus)

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SDLC: DEPLOYMENT & RELEASE

Deployment

- Impact **Analysis of Patches**

Questions?

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Be secure. Be ahead. Be Blaze.

THANK YOU!

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www.blazeinfosec.com

info@blazeinfosec.com

Brazil
Rua Visconde de Jequitinhonha
279. Office 701. Recife

Portugal
Praça Bom Sucesso 131
Península, Office 206, Porto

Poland
Rynek Główny 28
33-332, Kraków

BR: +55 81 3071 7148
PT: +351 222 463 641
PL: +48 792 436 755

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