



DevOps for Defense

November 2019

DevOps Enterprise Summit Outbrief

JD Black

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<https://devopsfordefense.org>
<https://www.meetup.com/DevOps-for-Defense/>
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DOES 2019 was an Amazing 3 Days

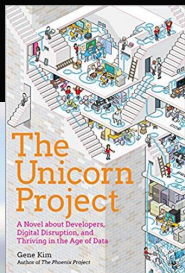
Highlights & Links @ devopsfordefense.org blog

Outbrief from the conference:

- Key Themes
- Best Presentations
- New Tech
- My Takeaways for the Defense Industry

**DEVOPS
ENTERPRISE
SUMMIT**

Oct 28-30 | Las Vegas, NV



The Unicorn Project

By Gene Kim

Release Nov 26th

Available now for pre-order

Do4D Book Club in December

My Key Takeaways

- The Agile / DevOps community is truly open and happy to share.
- In 2019...every company is a software company.
 - Adidas, John Deere, Banks, Insurance, & Health Care...all now SW focused
- Data is quickly becoming a critical element of DevOps flows
- No company / program is invincible
 - Past experience is an inhibitor for growth
 - Must strive for a “succession of successes”
- Must inspire curiosity
 - The job of a leader: inspire more and better ideas from your team every day
 - Leaders must clearly define what we’re optimizing for
- Must have visionaries, but must remain grounded in reality
 - Get grounded in customer obsession
- Avoid bad automation built around legacy business processes
- Transformation is an “Inspect & Adapt Journey”

My Key Takeaways

- In 2019, maintenance windows are behind us.
 - No downtime is acceptable any more.
- “Architecture enables speed. Speed is the advantage.” - Adrian Cocroft
- “Cease dependence on inspection to achieve quality.” - Deming
- “Now, more than ever: innovate or die.” - Bob Iger
 - There can be no innovation if you operate out of fear of the new.
- Make it easy to do the right thing!
- The cloud has won out...technically and economically.
 - Even mainframe companies are pushing internal operations to the cloud.
 - Kubernetes and containers have won the cloud.
- **DevOps Goal: Better, Faster, Safer, Happier**

“Best of” Awards - Culture

Google’s Dr. Andre Martin, VP of PeopleDev, talked about culture

- Culture > Climate > Engagement
- “Engagement is nothing more than a relationship”
- How much of what your leaders do is export stress on your people?
 - Leaders must “export inspiration” and “import stress”

Video Not on YouTube

Charts Not Published to GitHub

“Best of” Awards - Overcoming Bureaucracy

Dept of Homeland Defense - USCIS <https://youtu.be/tly-YVjKhBc>

10 years + \$800M -> Failed System

Agile / DevOps transformation & 2 years later -> Success

Keys:

Partnership between IT and “business” (aka field operations)

Follow-On: Mark Schwartz <https://youtu.be/m2tw5T9puzo>

Use Bureaucracy as a Weapon to Drive Positive Change

“Best of” Awards - Technology

- Main Presentation - Jet.com / Walmart
 - Interchangeable Services & Data
 - Inverse Flow for Greater Reliability and Throughput
 - <https://youtu.be/Fsklb9SarI>
- Mini presentation - GitHub
 - Massive shift left on security - Security now at the heart of everything
 - Open source is the new foundation, must have effective security & governance in the FOSS driven world
- From the vendor floor - Gradle
 - Gradle Enterprise - Instrument & Accelerate Builds - Rapid Root Cause

“Best of” Awards - Lightning Talk

Jon Smart - Training for your Agile/DevOps/Digital Transformation

<https://youtu.be/cwbiSCgiZNA>

“Best of” Awards - Community Opportunity

Girls Who Code

<https://youtu.be/9mgddr9YH58>

Worst of Show

“Continu-ish Integration” - Northrop Grumman & Lockheed Martin

Resources

YouTube: IT Revolution Channel

https://www.youtube.com/channel/UCkAQCw5_slZmj2lkSrNy00A/videos

GitHub: Conference Charts

<https://github.com/devopsenterprise/2019-Las-Vegas>

Free papers & books

<https://itrevolution.com/forum-papers/>