

Agile Dev Better Software DevOps

WEST

A TECHWELL EVENT

DW3

DevOps Case Study

Wednesday, June 6th, 2018, 1:30 PM

How DevOps Drives Product Innovation

Presented by:

Shivakumar Gopalakrishnan

Varian Medical Systems

Brought to you by:



350 Corporate Way, Suite 400, Orange Park, FL 32073
888-268-8770 · 904-278-0524 - info@techwell.com - <https://www.techwell.com/>

Shivakumar Gopalakrishnan

Varian Medical Systems

Shivakumar Gopalakrishnan is an architect for cloud-native applications at Varian Medical Systems, with more than fifteen years of experience in medical imaging and health care bioinformatics applications. He is always interested in the next shiny object (currently AI, voice recognition, big data, and the IoT for health care DevOps and operations) that will help in delivering impactful changes rapidly.

How DevOps Drives Product Innovation

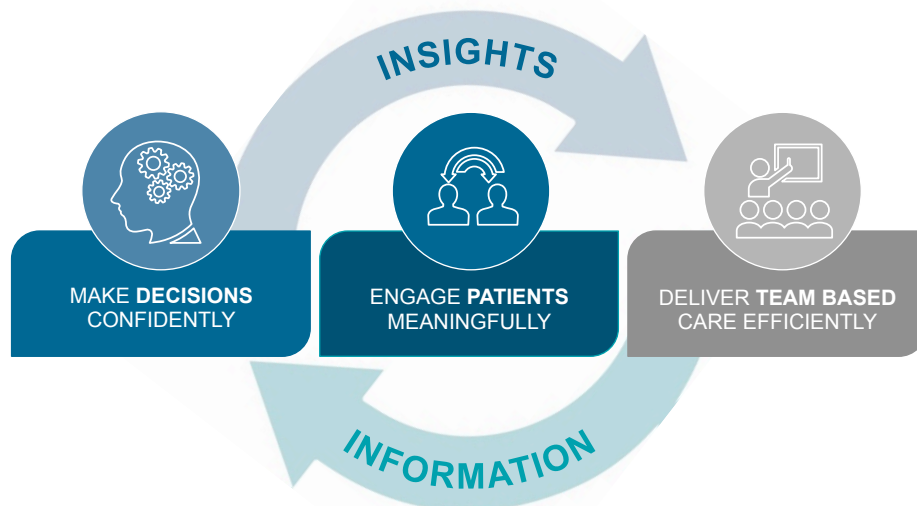
Using DevOps To Become a Learning Organization

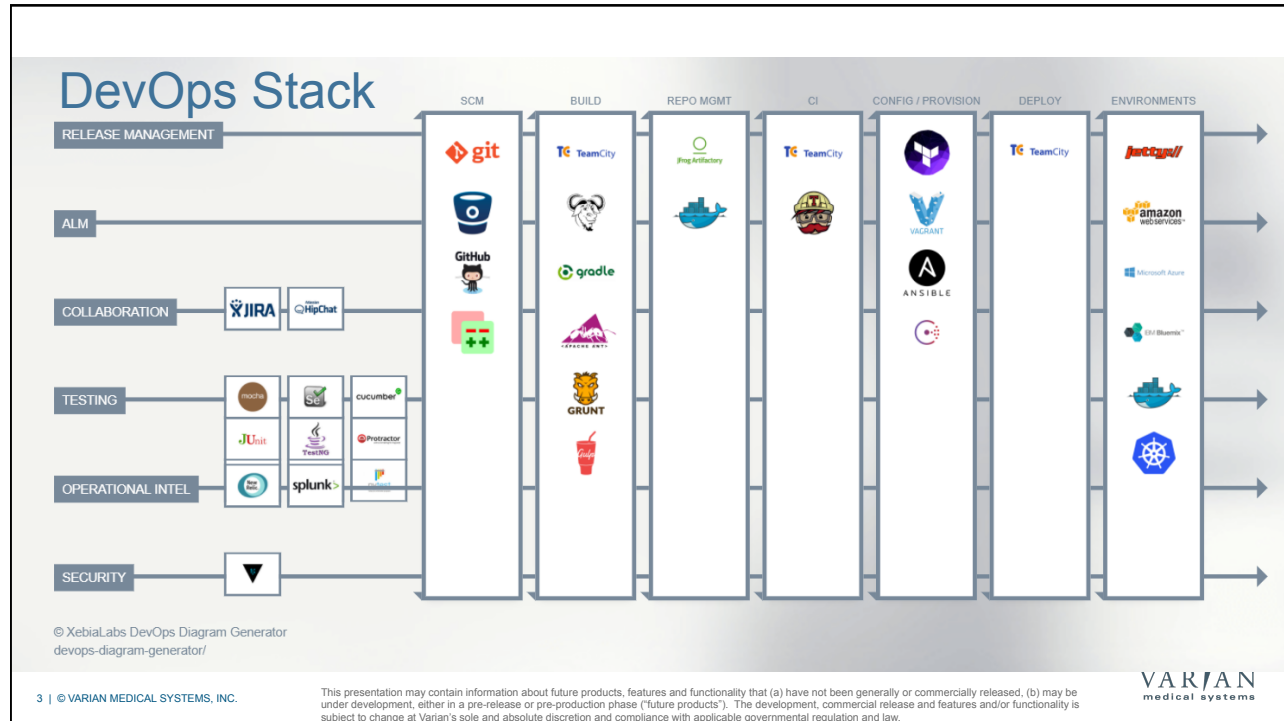
Shivakumar Gopalakrishnan

DevOps West

VARIAN
medical systems

360 Oncology - MAKE CANCER CARE SIMPLER AND SMARTER





Learning Culture



<https://www.slideshare.net/lucamerolla/the-learning-organization-67941051>

4 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems



Source: <https://seanwes.com/2012/always-make-new-mistakes/>

5 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

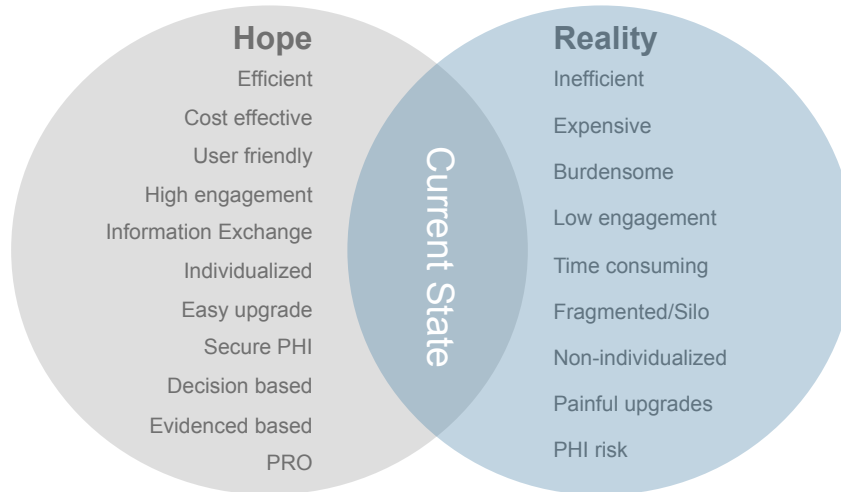


6 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

Computerization of medicine



7 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

**EXPERIMENT.
FAIL.
LEARN.
REPEAT.**

aka Scientific Method

Source: <https://www.startupvitamins.com/products/startup-canvas-experiment-fail-learn-repeat>

Multiple experiments – infinite learning possibilities

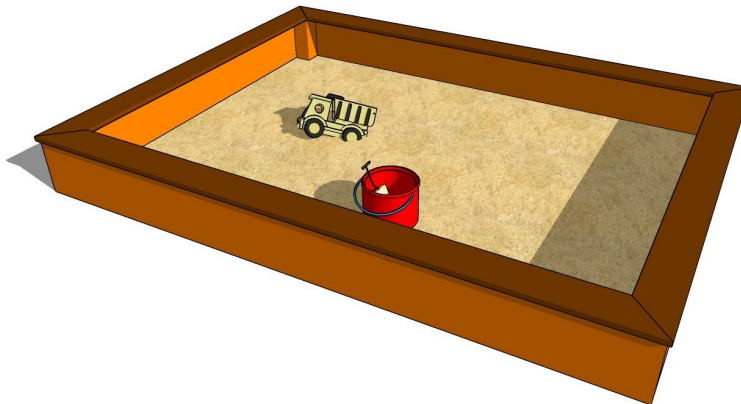


9 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

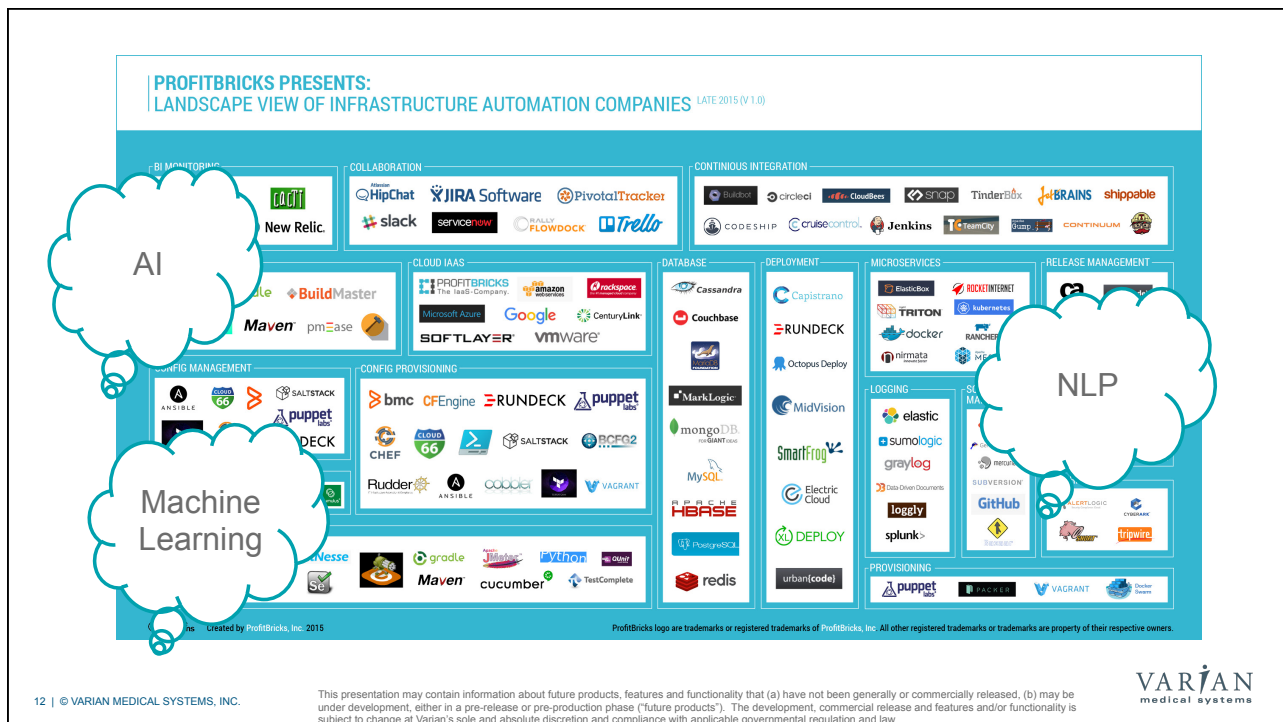
Safe environment for developers



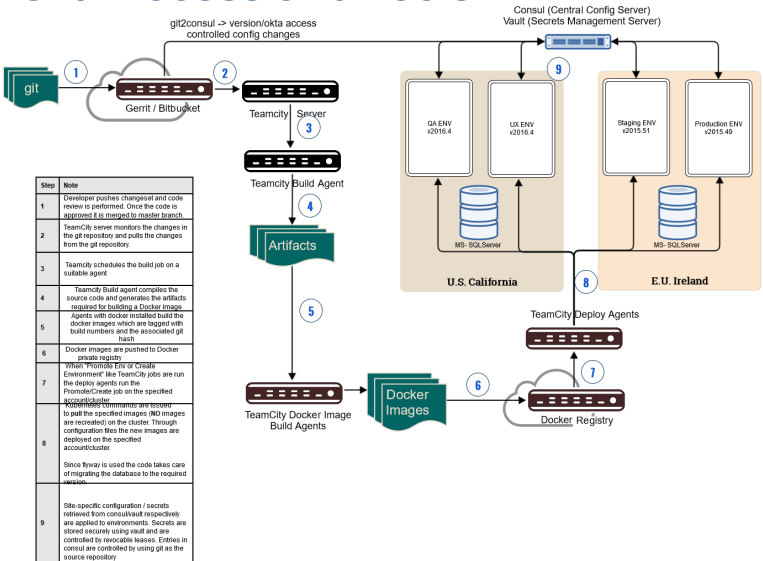
10 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems



Deployment Process and Tools



H
O
W
?

GOOGLE SP

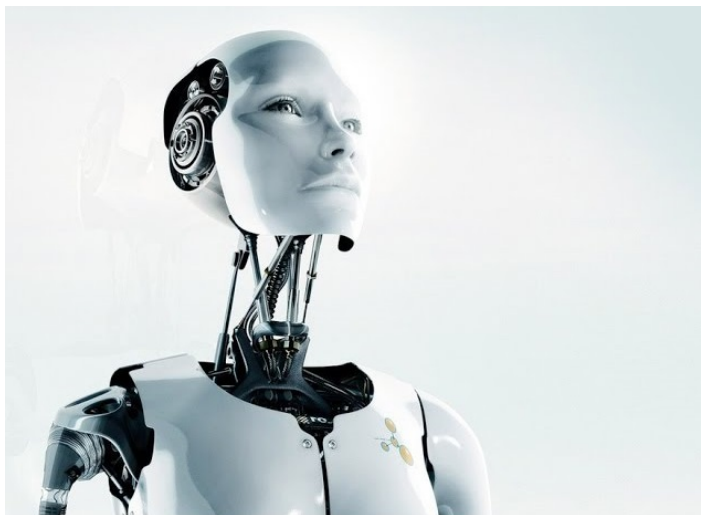


15 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

Chatbot

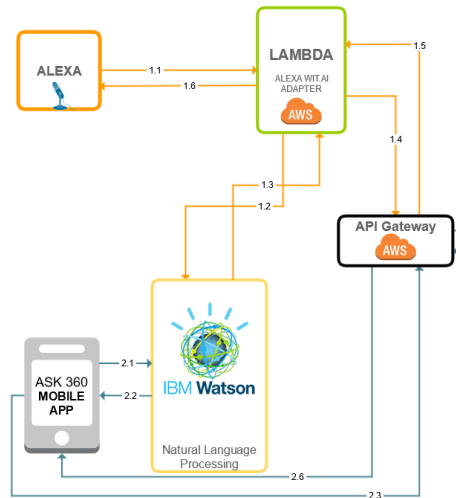


16 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

DevOps Chatbot



17 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

Demonstration of

Micro services

Event based integration

Chatbot interfaces (Alexa, IBM Watson)

SSO for Native + Web UI

Composable UIs

Safely experiment new technologies

18 | © VARIAN MEDICAL SYSTEMS, INC.

This presentation may contain information about future products, features and functionality that (a) have not been generally or commercially released, (b) may be under development, either in a pre-release or pre-production phase ("future products"). The development, commercial release and features and/or functionality is subject to change at Varian's sole and absolute discretion and compliance with applicable governmental regulation and law.

VARIAN
medical systems

Happy Developer = High performant Org

