DEVOPS AT SCALE

VICTOR GAJENDRAN

VICE PRESIDENT, TECHOPS PLATFORM JAN 2016 **@VICTORGAJENDRAN**



LESSONS LEARNED BY DOING DEVOPS AT SCALE

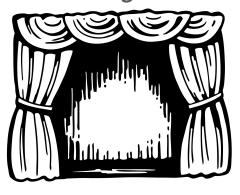
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VICE PRESIDENT, TECHOPS PLATFORM JAN 2016 **@VICTORGAJENDRAN**



AGENDA

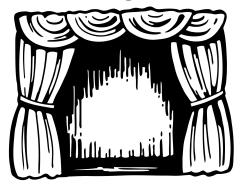
Set the stage



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AGENDA

Set the stage



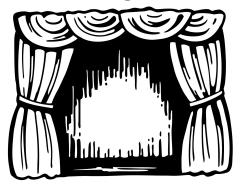
DevOps Performance



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AGENDA

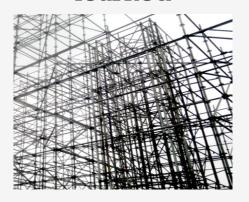
Set the stage



DevOps Performance



Backstage to lesson learned



```
158⊖
       100
 159
         * @see org.eclipse.ltk.core.refactoring.participants.RefactoringProcessor#
 160

    checkInitialConditions(org.eclipse.core.runtime.IProgressMonitor)

 1.61
         * @generated
 162
         +/
 163⊖
        @Override
♠164
       public RefactoringStatus checkInitialConditions(){
 165
                RefactoringStatus result = new RefactoringStatus();
 166
                // begin custom code
 167
                // initial check 1: the id value of the EAttribute must be 'false'
 168
                org.eclipse.emf.ecore.EAttribute selectedEObject =
 169
                    (org.eclipse.emf.ecore.EAttribute) dataManagement.
 170
                            getInPortByName(dataManagement.SELECTEDEOBJECT).getValue();
 171
                if (selectedEObject.isID()) {
 172
                    result_addFatalError("The selected EAttribute cannot be moved " +
 173
                                    "since it is used for identification purposes " +
 174
                                    "(its id value is set to 'true')!");
 175
                // initial check 2: the containing EClass must have at least one EReference
 176
 177
                if (selectedEObject.getEContainingClass().getEReferences().isEmpty()) {
 178
                    result.addFatalError("The selected EAttribute cannot be moved " +
 179
                            "since its containing EClass does not have any EReferences!");
 180
 181
                // end custom code
 182
                return result:
 183
```

6 DECK TITLE

ukeunasten

```
158⊖
       159
               * @see org.eclipse.ltk.core.refact
                                                          rticipants.RefactoringProcessor#
       160
               * checkInitialConditions(or
                                                                  IProgressMonitor)
              * @generated
       1.61
      162
      163⊕
             @Override
     ♠164
             public Refactorings
                                       checkInitialConditions()
       165
                      Refactoria
                                     us result = new Refactor
      166
                                    m code
                      // begin
                                                                 ctribute
      167
                      // initi
                                   eck 1: the id value of
                                                                               be 'false'
                                  emf.ecore.EAttribute
                                                              dEObject =
       168
                      org.ecl
      169
                          (01
                                  ipse.emf.ecore.EAtt
                                                              dataManageme
                                                          gement.SELECTED
      170
                                  getInPortByName (
                                                                                CT).getValue();
      171
                                 HEObject.isID()
                      if (se
                                  ddFatalError
                                                      elected EAttribute (
      172
                          res
                                                                                be moved " +
      173
                                                    is used for identifi
                                                                                purposes " +
      174
                                                   value is set to 'tru
      175
                                              containing EClass must
                                                                            t least one EReference
      176
                      // initia
      177
                      if (selecte
                                           etEContainingClass().get
                                                                           nces().isEmpty()) {
                                          rror("The selected EAt
      178
                          result.a
                                                                         cannot be moved " +
                                              ontaining ECla
      179
                                                                       t have any EReferences!");
      180
      181
                      // end custom code
      182
                      return result:
       183
7 DECK TITLE
```

WHO ARE WE?

We Connect Fans to Great Experiences







WIDE RANGE OF TECHNOLOGIES









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54MM Unique Web Visitors Per Month



54MM Unique Web Visitors Per Month





Ticket On-Sale Events



54MM Unique Web Visitors Per Month

Ticket On-Sale Events

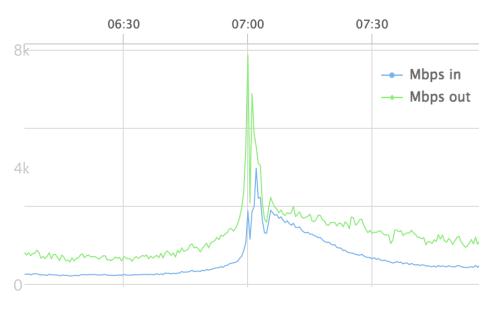
Extremely Fast Traffic Ramp Up











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54MM Unique Web Visitors Per Month

Ticket On-Sale Events

Extremely Fast Traffic Ramp Up











54MM Unique Web Visitors Per Month

Ticket On-Sale Events

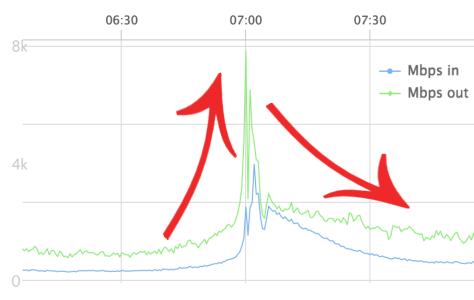
Extremely Fast Traffic Ramp Up





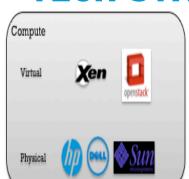






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TECH STACK















Template

Examp























sonar

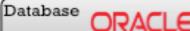






















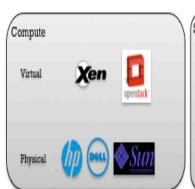






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PRIMARILY AN OPEN SOURCE TECH SHOP!













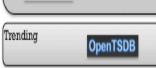




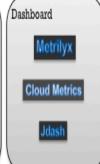






































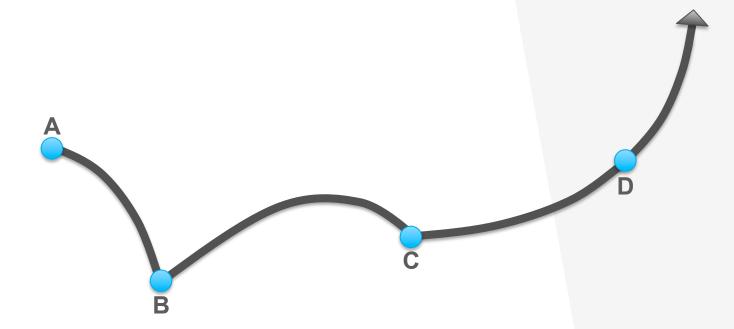




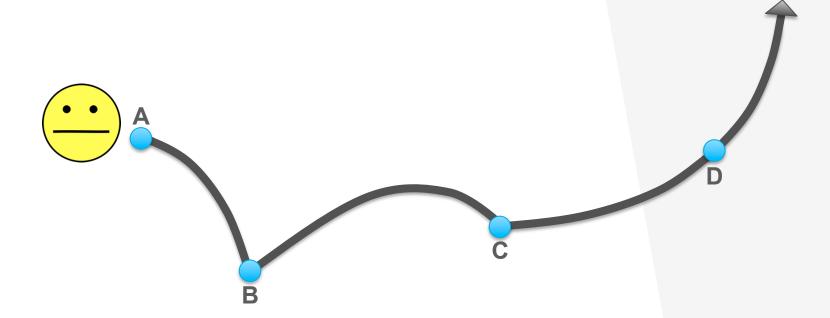


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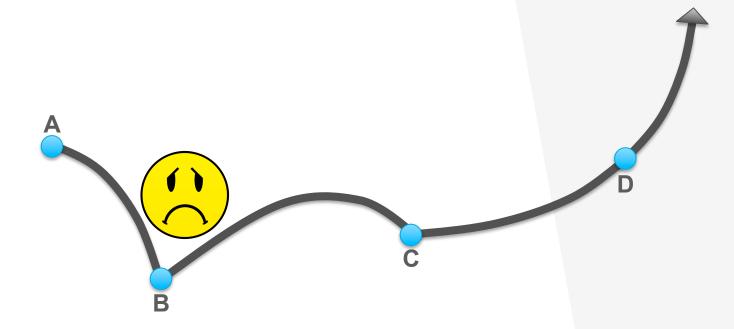




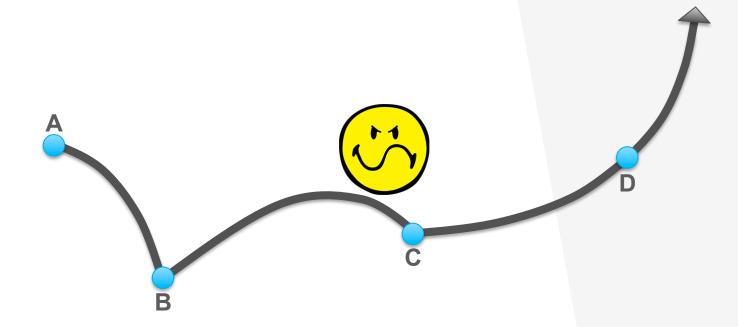








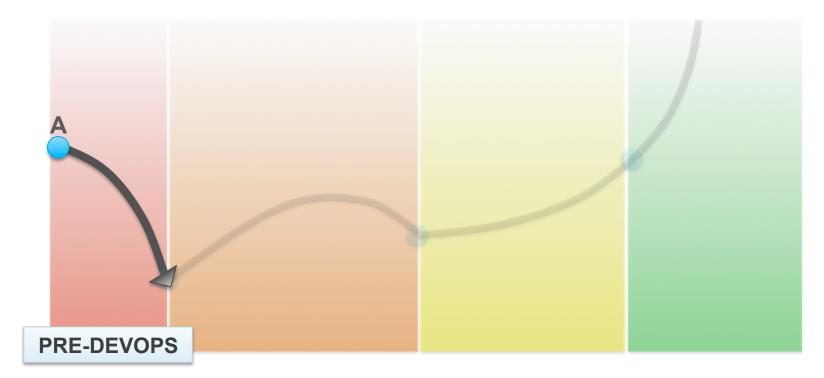












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Multiple Silos



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Multiple Silos

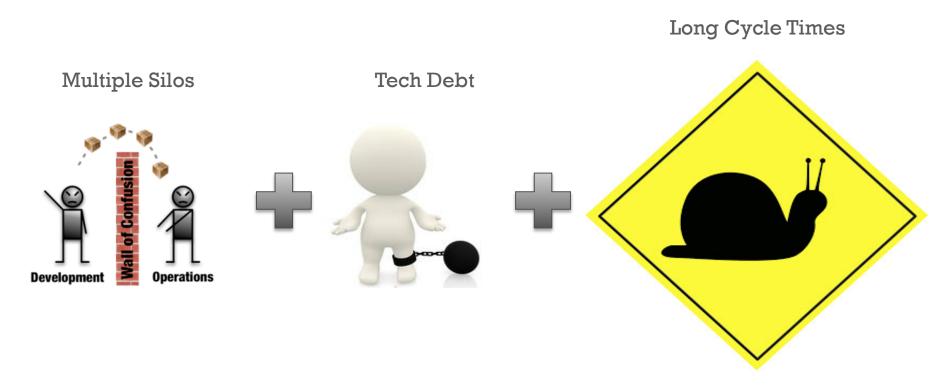




Tech Debt



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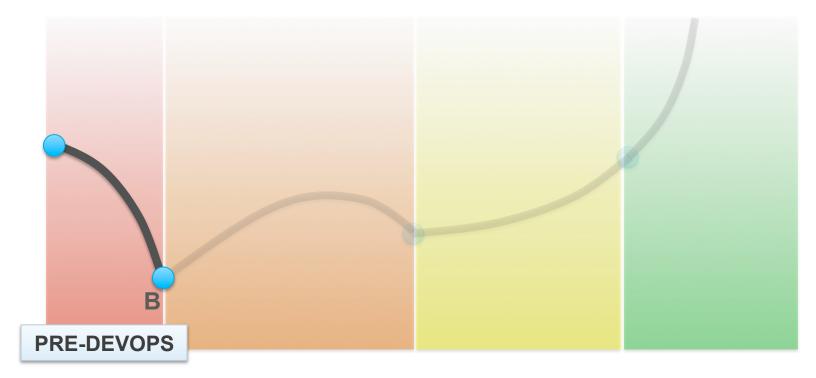
Lose to Agile Competitors

Multiple Silos Tech Debt Long Cycle Times

Long Cycle Times

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Multiple Silos





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Multiple Silos







Cross-functional Team





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Ignore Feedback





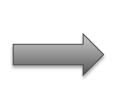
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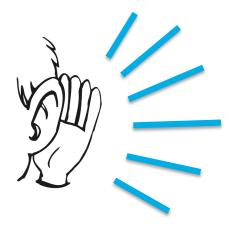
Ignore Feedback





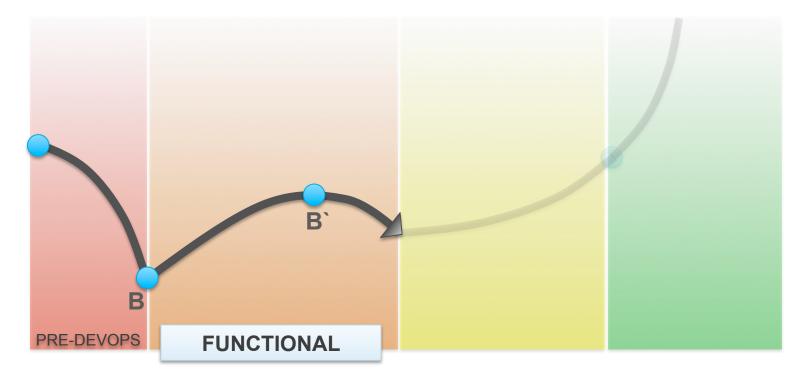












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Cross-functional Team





Cross-functional Team







Mega Team



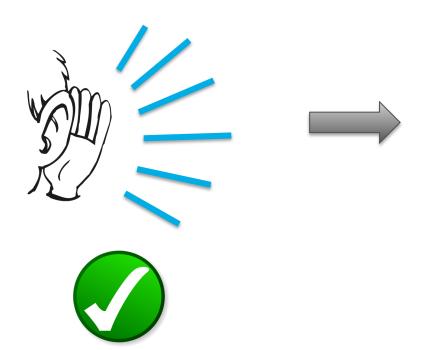


Listen to Diverse Perspectives



FIRST ATTEMPT AT DEVOPS

Listen to Diverse Perspectives

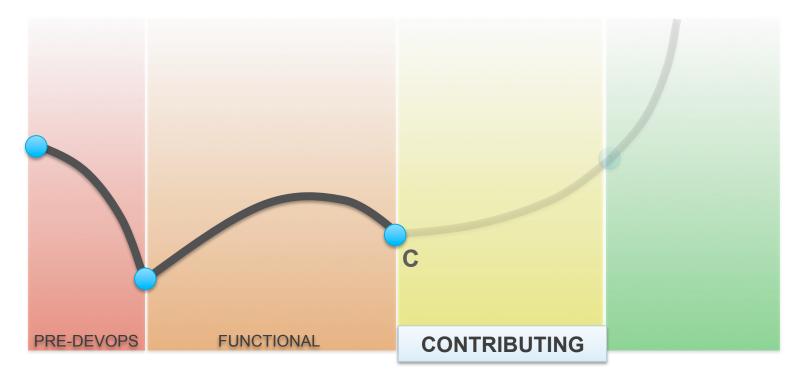


Solve it for ALL









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HOW MUCH TO CHANGE?



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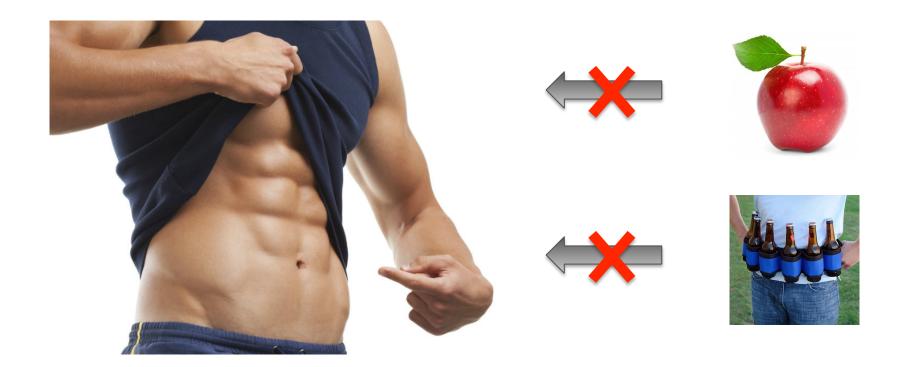
HOW MUCH TO CHANGE?





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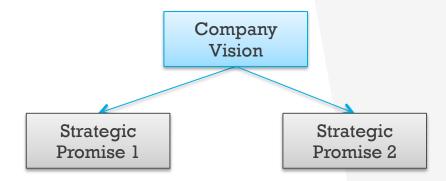
HOW MUCH TO CHANGE?

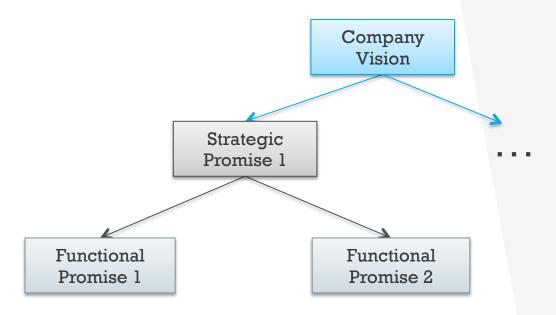


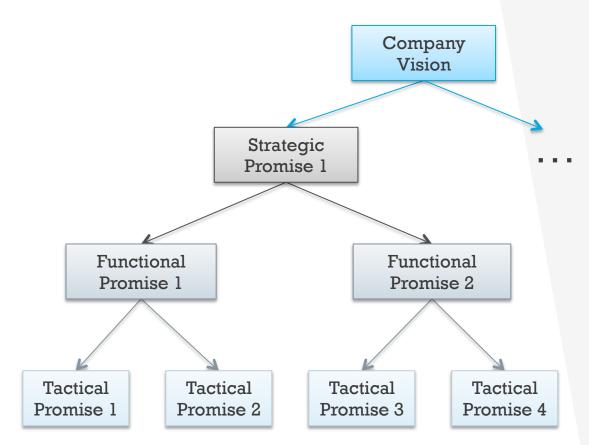
MINOR TWEAKS DON'T PRODUCE MAJOR RESULTS!

Company Vision

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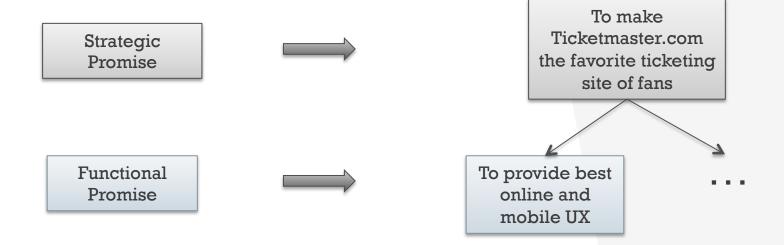


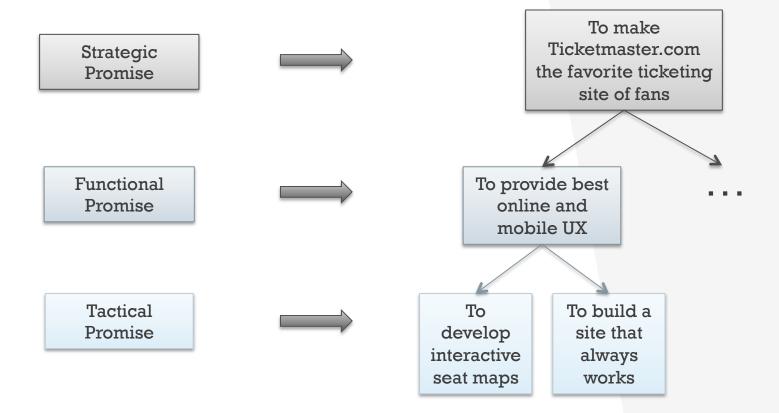
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Strategic Promise

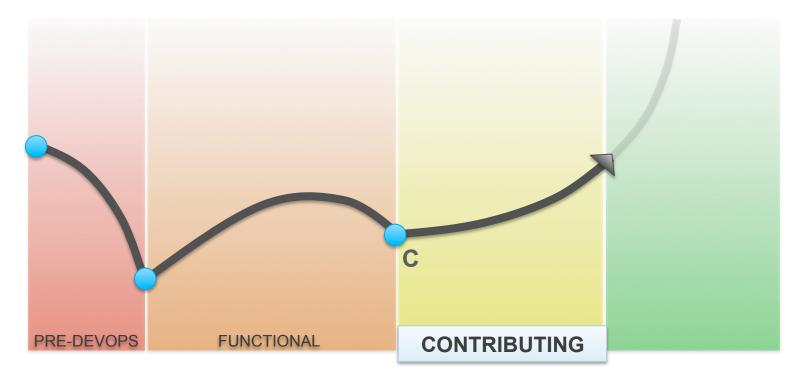


To make
Ticketmaster.com
the favorite ticketing
site of fans



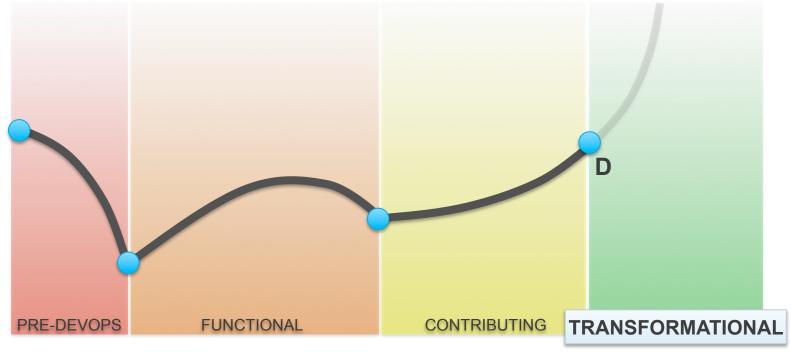






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RECENT TRANSFORMATIONS

Promise

To free developers from on-prem infrastructure constraints



Technology



RECENT TRANSFORMATIONS

Promise

To free developers from on-prem infrastructure constraints

To reduce cycle time of software releases



Technology





Continuous Delivery
Pipeline

RECENT TRANSFORMATIONS

Promise

To free developers from on-prem infrastructure constraints

To reduce cycle time of software releases

To eliminate environment inconsistencies

Technology

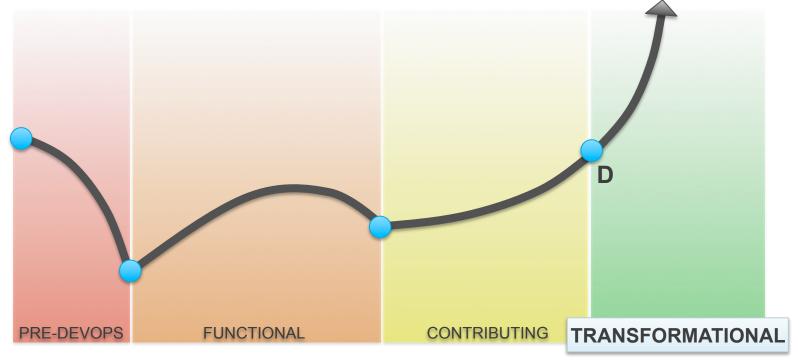


Continuous Delivery
Pipeline



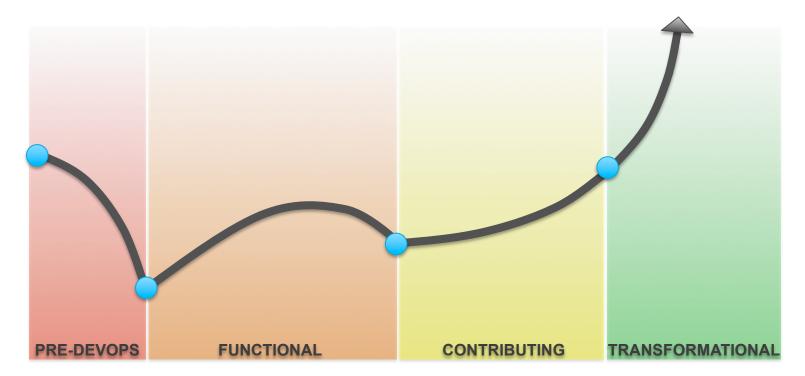






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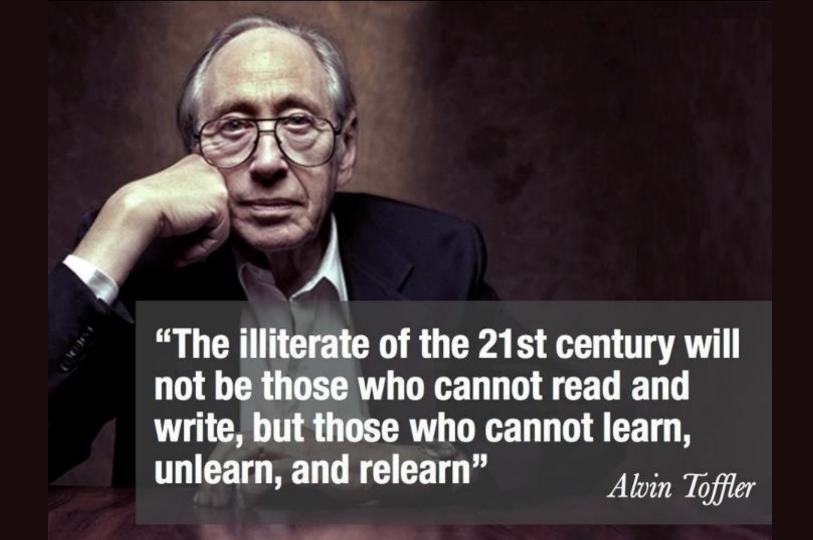
KEY PRINCIPLES

Automation Throughput

KEY PRINCIPLES

Automation Throughput
Feedback Quality





TO SUM UP...

Create a culture of learning where teams feel safe to make honest, new mistakes while they push the boundaries of technology.



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