

DevOps Workshop

Tools covered (just an indicator):

Area	Tools
Programming Language	C# or Java or Python or Node.js
xUnit framework	nUnit / MS Test or junit or pytest or Jasmine/Mocha
Mocking framework	nSubstitute, mocito
BDD Framework	SpecFlow or Cucumber, Selenium
Version Control Tool	Git or Bitbucket or SVN, SourceTree
CI Server	Team City or Jenkins
Code Review	gerrit
Binary Repository Manager	Nexus or Artifactory
Static Code Analysis	SonarQube, jococo
Container	Docker
Configuration Management	Puppet or Chef or Ansible
Feedback, Monitoring	ELK, Sensu

- Introduction to DevOps
 - Background
 - Ingredients of DevOps
 - DevOps principles
 - Who has adopted?
 - Mirage or Reality?
 - Challenges
 - Domain specific
 - Technology specific
 - DevOps Tool chain - Practices and Tools
- Collaboration – Breaking silos between Dev and Ops
 - Practices and strategy
 - Activities
- Automate / Continuous Testing
 - Strategy and tools
 - Hands-on exercise
- Automate Build and Continuous Integration
 - Strategy and tools
 - Hands-on exercise
- Automate Deployment
 - Strategy and tools
 - Hands-on exercise
- Automate Provisioning
 - Strategy and tools
 - Hands-on exercise
- Automate Feedback
 - Strategy and tools
 - Hands-on exercise