



## LEARNING PLAN

# Working with Developers & DevOps

Many companies are embracing in-house coding, from citizen developers to full-scale enterprise application development, from creating macros within LoB documents to rich three-tier applications. It is critical for IT professionals to understand how developers work, how their code hangs together, and how best to support the needs of the business. With many developers moving to a DevOps-based approach, IT pros must understand the rapid deployment methods that can help speed release cycles. New tools are crossing the worlds of developers and IT professionals, such as containerization, scripting, cloud-hosting, and virtualization.

### Areas of focus

- Overview of developer technologies
- Introduction to DevOps
- How to help developers do their job

### Curriculum

VIDEOS FROM COURSE

Python Programming	6 hours
<input type="checkbox"/> Introduction to Python	17 min
<input type="checkbox"/> Python Basics	18 min
<input type="checkbox"/> Python Variables	22 min
<input type="checkbox"/> Input and Output	23 min
<input type="checkbox"/> If...Then...Else	20 min
<input type="checkbox"/> Loops	26 min
<input type="checkbox"/> Collections	25 min
<input type="checkbox"/> Functions	26 min
<input type="checkbox"/> Error Handling	19 min
<input type="checkbox"/> Basic Object-Oriented Programming	29 min
<input type="checkbox"/> Object Inheritance	22 min
<input type="checkbox"/> Installing PyQt (On Mac OS X)	12 min
<input type="checkbox"/> Installing PyQt (On MS Windows)	4 min
<input type="checkbox"/> PyQt Basics: Getting Started with PyQt	11 min
<input type="checkbox"/> PyQt Basics: Using Widgets	11 min
<input type="checkbox"/> PyQt Advanced: Working with Layouts	11 min
<input type="checkbox"/> PyQt Advanced: Handling Events	10 min
<input type="checkbox"/> PyPI and PiP	7 min
<input type="checkbox"/> Virtualenv	8 min
<input type="checkbox"/> Setting up a Simple HTTP Server	11 min
<input type="checkbox"/> Unit Testing	7 min
<input type="checkbox"/> Deploying Python on GCE	11 min
<input type="checkbox"/> Connecting to SQL Databases	12 min

### Prerequisite Plans

INTRODUCTORY LEVEL

[Introduction to IT](#)



### Current Plan

FUNDAMENTAL LEVEL

**Working with Developers & DevOps**



### Possible Next Plans

ASSOCIATE LEVEL

[Virtualization Platforms & Implementation](#)  
[Cloud Concepts & Platforms](#)

## VIDEOS FROM COURSE

**AngularJS** 7 hours

<input type="checkbox"/>	<a href="#">Introduction to AngularJS</a>	16 min
<input type="checkbox"/>	<a href="#">Basics of AngularJS</a>	25 min
<input type="checkbox"/>	<a href="#">Data Binding in AngularJS</a>	16 min
<input type="checkbox"/>	<a href="#">Controllers in AngularJS</a>	17 min
<input type="checkbox"/>	<a href="#">Managing Scope with AngularJS</a>	18 min
<input type="checkbox"/>	<a href="#">Expressions and Filters</a>	20 min
<input type="checkbox"/>	<a href="#">Extending Forms</a>	23 min
<input type="checkbox"/>	<a href="#">Introduction to Directives</a>	21 min
<input type="checkbox"/>	<a href="#">Advanced Directives</a>	26 min
<input type="checkbox"/>	<a href="#">Dependency Injection</a>	16 min
<input type="checkbox"/>	<a href="#">Providers, Services, and Factories</a>	16 min
<input type="checkbox"/>	<a href="#">AngularJS Routing</a>	26 min
<input type="checkbox"/>	<a href="#">Promises in AngularJS</a>	26 min
<input type="checkbox"/>	<a href="#">AJAX With AngularJS</a>	29 min
<input type="checkbox"/>	<a href="#">Animations</a>	21 min
<input type="checkbox"/>	<a href="#">Unit Testing</a>	29 min
<input type="checkbox"/>	<a href="#">Token-Based Authentication</a>	22 min
<input type="checkbox"/>	<a href="#">Handling Events</a>	19 min
<input type="checkbox"/>	<a href="#">Touchscreen Gestures</a>	16 min
<input type="checkbox"/>	<a href="#">Application Architecture</a>	27 min

## VIDEOS FROM COURSE

**Microsoft Visual Studio 2012 70-480** 7 hours

<input type="checkbox"/>	<a href="#">Introduction to 70-480: Programming in HTML5 with JavaScript and CSS3</a>	12 min
<input type="checkbox"/>	<a href="#">Creating the Document Structure with HTML5</a>	19 min
<input type="checkbox"/>	<a href="#">Interacting with HTML5 Elements Programmatically</a>	30 min
<input type="checkbox"/>	<a href="#">Styling HTML5 Programmatically</a>	20 min
<input type="checkbox"/>	<a href="#">Implementing HTML5 APIs</a>	33 min
<input type="checkbox"/>	<a href="#">Working with Variables, Objects &amp; Methods in JavaScript</a>	25 min
<input type="checkbox"/>	<a href="#">Implementing Program Flow</a>	25 min
<input type="checkbox"/>	<a href="#">Implementing Event Handling</a>	25 min
<input type="checkbox"/>	<a href="#">Implementing Exception Handling</a>	25 min
<input type="checkbox"/>	<a href="#">Implementing Callbacks</a>	29 min
<input type="checkbox"/>	<a href="#">Creating Web Workers</a>	17 min
<input type="checkbox"/>	<a href="#">Validating User Input with HTML5 and JavaScript</a>	23 min
<input type="checkbox"/>	<a href="#">Consuming Data</a>	23 min
<input type="checkbox"/>	<a href="#">Serializing, Deserializing and Transmitting Data</a>	19 min
<input type="checkbox"/>	<a href="#">Styling HTML5 Pages using CSS3</a>	24 min

## VIDEOS FROM COURSE

**Microsoft Visual Studio 2012 70-480 (cont.)**

<input type="checkbox"/>	<a href="#">Creating Flexible Layouts with CSS3</a>	25 min
<input type="checkbox"/>	<a href="#">Creating Animated and Adaptive UIs with CSS3</a>	16 min
<input type="checkbox"/>	<a href="#">Finding Elements using CSS and jQuery</a>	26 min
<input type="checkbox"/>	<a href="#">Structuring CSS Files using Selectors</a>	14 min

## VIDEOS FROM COURSE

**Docker** 2 hours

<input type="checkbox"/>	<a href="#">Intro</a>	1 min
<input type="checkbox"/>	<a href="#">Containers vs Virtual Machines</a>	9 min
<input type="checkbox"/>	<a href="#">How Docker Works</a>	7 min
<input type="checkbox"/>	<a href="#">Docker Installer (Deconstructed!)</a>	6 min
<input type="checkbox"/>	<a href="#">Create a Simple Dockerized App</a>	9 min
<input type="checkbox"/>	<a href="#">Managing Containers and Images</a>	13 min
<input type="checkbox"/>	<a href="#">Networking</a>	11 min
<input type="checkbox"/>	<a href="#">Advanced Networking</a>	11 min
<input type="checkbox"/>	<a href="#">Shared and Persistent Data</a>	8 min
<input type="checkbox"/>	<a href="#">Modifying Containers and Images</a>	8 min
<input type="checkbox"/>	<a href="#">Creating Images from Scratch</a>	12 min
<input type="checkbox"/>	<a href="#">Containers Working Together</a>	10 min
<input type="checkbox"/>	<a href="#">GUI Tools for Docker</a>	7 min

## VIDEOS FROM COURSE

**Chef Fundamentals** 6 hours

<input type="checkbox"/>	<a href="#">Intro</a>	2 min
<input type="checkbox"/>	<a href="#">The Chef Methodology</a>	15 min
<input type="checkbox"/>	<a href="#">Tools of the Trade</a>	13 min
<input type="checkbox"/>	<a href="#">Installing Chef Server (or not!)</a>	17 min
<input type="checkbox"/>	<a href="#">Chef Server Version 12 - update</a>	16 min
<input type="checkbox"/>	<a href="#">Set Up The Administrator Workstation</a>	28 min
<input type="checkbox"/>	<a href="#">Version Control for the Chef Repo</a>	22 min
<input type="checkbox"/>	<a href="#">Define Our Scenario &amp; Bootstrap a Node!</a>	15 min
<input type="checkbox"/>	<a href="#">Creating Our First Cookbook</a>	27 min
<input type="checkbox"/>	<a href="#">Recipes and Roles</a>	24 min
<input type="checkbox"/>	<a href="#">Dependencies &amp; Conditionals with OHAI Searching</a>	22 min
<input type="checkbox"/>	<a href="#">File Templates &amp; Attributes</a>	19 min
<input type="checkbox"/>	<a href="#">Creating New Server &amp; Farm Failure Recovery</a>	22 min
<input type="checkbox"/>	<a href="#">Chef Environments</a>	19 min
<input type="checkbox"/>	<a href="#">Managing Virtual Machines with Vagrant</a>	28 min
<input type="checkbox"/>	<a href="#">Community Tools</a>	17 min
<input type="checkbox"/>	<a href="#">Common Alternative Chef Setups</a>	13 min
<input type="checkbox"/>	<a href="#">Virtual Lab Solution</a>	27 min