



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

VIDEOS FROM COURSE

Microsoft Visual Studio 2012 70-480 7 hours

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

VIDEOS FROM COURSE

Microsoft Visual Studio 2012 70-480 (cont.)

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

VIDEOS FROM COURSE

Docker 2 hours

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

VIDEOS FROM COURSE

Chef Fundamentals 6 hours

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