

Faculty Development program
On
Service Oriented Architecture (SOA): Level 300
Organized by
Department of Computer science & Engineering
12 June 2014 to 13 June 2014

Program Title

Service Oriented Architecture (SOA) using Microsoft Technologies

Instructor

Dhananjay Kumar is founder of **Noltran India** which is career partner of <http://www.c-sharpcorner.com>, a leading website for software developers. He has coached thousands of professionals and students all across the world. He is Microsoft MVP for 5 times and delivered more than 50 sessions in different conferences and events. He loves to write and so far has authored more than 800 articles on various technologies. You can reach him at debugmode@outlook.com and follow him for update on twitter [@debug_mode](https://twitter.com/debug_mode)

Abstract

This workshop is heavily based on coding. Besides theoretical concepts, code demonstration will be done for each topic. Each participants are

expected to dive into coding and deliver a CRUD operation exposed as JSON based REST Service consumed in various clients.

Contents Covered

- Ø What is Service
- Ø What is SOA
- Ø Why SOA over Tier Architectures
- Ø Introducing WCF over Web Services
- Ø Why WCF?
- Ø REST vs SOAP
- Ø ABC of Service
- Ø What is different kind of Contracts
- Ø Working with Data Contracts
- Ø Exposing CRUD as Service
- Ø Understanding Data Access Layer
- Ø Understanding Data Transfer Objects
- Ø Consuming Services in Managed Clients
- Ø Consuming Services in Server side Web Clients
- Ø Consuming Services in Client Side Web Clients
- Ø Consuming Services in Apps like Windows Phone and Apps for Windows Store
- Ø Moving data layer to cloud i.e. SQL Azure
- Ø Moving Service to cloud : Windows Azure hosted Services

Technologies

WCF, REST, SOAP, Windows Azure, HTML, Windows 8

Tools

Visual Studio 2013

Framework

Microsoft .NET 4.5

Duration

6 hours

Audience Level

Workshop is targeting level 300 audience. So expected skills from audience are as follows,

- Ø Level 100 understating of C# programming.
- Ø Level 100 understanding of Web Services.
- Ø Level 100 understanding of Visual Studio.
- Ø Level 100 understanding of Cloud Computing

Level 100: Basic introduction

Level 300: Advanced level

About Company

Noltran India is career partner of C-Sharpcorner.com which is one of the leading website on technology and serve around 3 million users online and offline. We have delivered more than 100 in person workshops and coaching on technologies for professionals and students. We host India's one of the biggest conference for software developers each year in Delhi. We work to transform a student to Ready-To-Hired professional and help experienced professional to achieve better career path. We provide trainings in cooperates, colleges and customized in-house trainings.