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Implementing SOA with Java – Course Plan

Compiled By

Crimson Computing Solutions

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No of Sessions : 8

Duration : 2*8 = 16 Hours

About the Trainers

Praveen George is the Co-Founder and Principal Consultant for Crimson Computing Solutions. He is also a social media enthusiast and an author on topics including Enterprise Application Development, Automation, Web Security, Mobile Enablement etc. Praveen is currently living in SF Bay Area, CA.

Nicy Chacko is a Sun Certified Java Programmer and Oracle Certified SQL Developer. She specializes in developing interactive voice response systems. She previously worked with Tata Consulting Services and is currently living in SF Bay Area, CA.

Course Description

This course is intended for participants who has undergone Java Web Application Development course or who has already got some experience in developing web applications using Java. The course is focused on practical training and hands on experience through interactive webex based sessions.XML ,SOAP, SOA , XMLBeans, JAXB, JDOM, JAXP, Axis, Spring Web Service frameworks will be explained. Sample code and configurations would be provided as part of the training and users would be given full access to the source code behind mobchannel.com a social solutions portal.

Reference Text Book

Implementing SOA With Java

by Praveen George & Nicy Chacko

Book purchases can be made online from

<http://www.crimsoncomputing.com/university/books/enterpriseapp/>

Prerequisites:

Graduate/Post Graduate degree in Computer Science or related field. Familiarity with Java Programming and Java Servlet Technology. Basic understanding of xml concepts.



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1. XML Basics

- XML
- Schema
- DTD
- Parsing XML using SAX
- Building XML using JDOM
- Stream Parsers

2. XML Binding and SOAP

- Marshalling and Unmarshalling
- Castor
- JAXB
- XMLBeans
- JAX-RPC
- SOAP Basics
- JAXM and SAAJ
- References & Further Reading

3. Service Oriented Architecture and Web Services

- Overview of SOA
- UDDI
- Web Services
- Different ways to realize web services
- JAX-RPC

4. Web Service Frameworks

- Apache Axis
- XFire
- Spring