

# SOA : Applied Implementation & Architecture Modeling Masterclass

"An Essential Complete Guide to SOA Implementation with Hands-on Learning Experience! With Comprehensive Case Studies Examples on Microsoft BizTalk, ESB, Registry/Repository, SOA Testing, and in-depth Architecture Modeling Demonstration!"

Parkroyal on Beach Rd, Singapore • 27th - 29th July 2009



## Course Facilitator:

**Cristian Sturek**  
**Founder & Principal SOA Architect of XWebServices, Inc. – USA**

Founder of SOAHub.com – Service Oriented Architecture Portal

Enterprise Architect Blog Writer for Informationweek.com

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## TESTIMONIAL OF COMPETENCE

*"Cristian is a well of knowledge when it comes to enterprise architectures and developing SOA solutions. His expertise has helped our client in significant ways ranging from solution development to bringing the client up the SOA learning curve. I look to Cristian as a thought leader and delivery excellence"*

- Senior Business Consultant

*"I hired Cristian to build an e-commerce website after a well-known web development firm failed to deliver on requirements. He built a robust solution very quickly and added tremendous value in the process. The website received praise from third parties as a leading example of fast, reliable, user-friendly online retail. I would hire Cristian again for any IT project he believes he can accomplish."*

- CEO, Artful Style

*"This is the training I have been looking for. Thank you for bringing Mr. Sturek to KL. The information provides so many benefits to our business."*

- Senior Software Engineer - HeiTech Padu Bhd

## Capitalize On The Expert Knowledge To Gain Maximum Value On These Vital Issues

- ❖ **ADOPT** effective methodologies and strategies to ensure seamless implementation of SOA
- ❖ **LEARN** advanced implementation techniques with best practices case studies
- ❖ **DEAL** with the challenges and overcome the problems faced in deploying SOA while getting the best from legacy system to avoid revenue exploitation
- ❖ **UNDERSTAND** how governance issues affect your organization and reap the importance of SOA Governance to ensure business sustainability
- ❖ **ANALYZE** through real world implementation and successful case studies
- ❖ **GAIN** competitive advantage by analyzing current practices and recognize the global competition in the industry
- ❖ **DISCOVER** strategies to use the components and tools in SOA effectively
- ❖ **UNDERSTAND** the related technologies and available solutions in the market
- ❖ **EXPERIENCE** hands-on and highly interactive sessions with configuration of the new architecture
- ❖ **APPLY** in depth practical learning of SOA Architecture Modeling

**UNI** training courses are thoroughly researched and carefully structured to provide practical and exclusive training applicable to your organization.

Benefits include:

- Thorough and customised programmes to address current market concerns
- Illustrations of real life case studies
- Comprehensive course documentation
- Strictly limited numbers

## Workshop Overview

Tired of all the Service Oriented Architecture (SOA) theory from the so-called visionaries? The time has come for theory to become a reality; for companies to stop deliberating and start implementing. Designed for all audiences, our 3 day master class course will provide insights and knowledge in adopting and especially implementing a services based architecture.

In this master class, you would get exclusive hands on sessions and an opportunity to plan, design, build and conduct a virtual deployment. Mr. Cristian Sturek would also demonstrate real world implementation and best practices and highlight many case studies of successful SOA deployments in different industries. This SOA Training is tailored to give you exactly what you need to implement SOA in your organisation. If you do not want to be left behind in the fast paced technology environment, then you need to attend this workshop.

### DAY 1 | 27th July 2009

#### SERVICE ORIENTING THE ENTERPRISE

- ❖ Driving the Enterprise Towards Service Orientation
- ❖ Reaping the SOA benefits from various angles:
  - ◆ Agility
  - ◆ Process
  - ◆ Interoperability
  - ◆ Cost
  - ◆ ROI
- ❖ Understanding the SOA methodology from building the strategy to operating the SOA environment
- ❖ Comparing the "Top Down Approach" and "Bottom Up Approach" to choose the best by looking into:
  - ◆ Processes involved
  - ◆ Results/outcome
  - ◆ Challenge factors
- ❖ Understanding the role of the SOA Architect

#### SERVICES

- ❖ Identification of Services
- ❖ What is Business Process Decomposition?
- ❖ Service Granularity: Analysing Fine vs. Coarse Grained Services
- ❖ Examining Loosely Coupled Services:
  - ◆ Implementation
  - ◆ Service contract
  - ◆ Service policy
  - ◆ Process
  - ◆ Data schema
- ❖ Analyzing design: How to end up with the best building blocks for your SOA?

#### WEB SERVICES

- ❖ Exploring Web Services - The Backbone of SOA
- ❖ Advantages: how to successfully reap the benefits
- ❖ Disadvantages: what to look out for
- ❖ XML, XSD, SOAP, WSDL: how it all relates
- ❖ Contact First: the benefits of a top down approach to development
- ❖ Building composite applications

#### LEVERAGING THE LEGACY

- ❖ Evaluating Opportunities in Legacy System to Minimise Cost and Maximise Revenue
- ❖ Leveraging the legacy
- ❖ Benefits: Why SOA provides the ideal alternative to continue using legacy environments
- ❖ Limitations: what to look out for

#### ❖ Case Studies featuring:

- ◆ **An IBM System I Mainframe (old OS/400)**
- ◆ **Combining 2 proprietary systems following an acquisition :**
  - Ascertaining Advanced Concept and Techniques to Embrace SOA
  - Design and analysis of the new architecture
  - Integration techniques
  - Interoperability and usability issues
  - Accounting for scalability

#### IMPLEMENTING SOA

- ❖ Walk-through a real-world example of a SOA migration in the financial services sector
  - ◆ Design and analysis of the new architecture
  - ◆ Integration techniques
  - ◆ Interoperability and usability issues
  - ◆ Accounting for Scalability
- ❖ **Case Study: Pilot Project leveraging the IBM System I**
- ❖ **Case Study: Order and Fulfillment – from modeling to simulation**

### DAY 2 | 28th July 2009

#### GOVERNANCE, SECURITY AND TESTING

- ❖ Empowering SOA by Understanding Governance, Security and Testing
- ❖ SOA Governance: what it covers and what it addresses
- ❖ SOA Security: why is it different, where to address it and choosing the right approach
- ❖ Web Services Security
- ❖ Metadata Management via Registry/Repository
- ❖ Testing: why functionality testing is not enough

#### SOA GOVERNANCE SOLUTIONS

- ❖ Introducing Cutting Edge Tools to Ensure the Implementation Success of SOA
- ❖ SOA Governance Solutions
  - ◆ Vendors: who they are and why are they different
  - ◆ Features: what to look for and which features are important
  - ◆ Benefits: performance, SLAs, fraud detection, tracking, etc.
- ❖ **Demonstration: SOA Governance Solution**

#### ESB SOLUTIONS

- ❖ Understanding Enterprise Service Bus (ESB) Solutions
  - ◆ Purpose: standards based SOA backbone
  - ◆ Vendors: who they are and why are they different
  - ◆ Benefits: integrating business processes from multiple sites, simplifies integration of applications and data
  - ◆ Orchestrations: allowing you to change the way your business functions on the fly
- ❖ **Demonstration: ESB / BizTalk**

### DAY 3 | 29th July 2009

#### SOA ARCHITECTURE MODELING

- ❖ Why Model?
- ❖ Model-Driven SOA
- ❖ How to model, market-space players and solutions
- ❖ From Model to Implementation - hands on sessions
  - ◆ **Financial services**
  - ◆ **Telecommunications**
  - ◆ **Government**
  - ◆ **Health Care**

**The entire 3<sup>rd</sup> day will be devoted to in-depth discussion and demonstration on how to implement the real modeling**

## WHO SHOULD ATTEND

Mr. Cristian Sturek is the Principal SOA Architect of XWebServices, Inc., a boutique SOA Consulting firm based in Los Angeles. He has over 12 years of Enterprise Architecture (EA) experience primarily in the Financial Services, Health Care and E-Commerce fields. Having developed SOA principles and best practices that guide planning, development, integration and management of application infrastructures, Mr. Sturek has successfully implemented Service Oriented Architectures for companies such as :

- ✓ **First Data Corporation** – formerly a Fortune 500 company now privately owned, a leading provider of electronic commerce and payment solutions for businesses worldwide
- ✓ **Alliance Payment Technologies** – an ACH Gateway provider, with numerous banks and financial institutions in the United States as its clients
- ✓ **SCAN Health Plan** – a “Medicare Advantage” HMO based in Southern California, one of the original four Social HMOs in the United States
- ✓ **First American Corporation** – a Fortune 200 company, America’s largest provider of business information and real estate related services

He has also held technical leadership positions at **AFX**, a medical billing solutions provider; **Artful Style**, an online art gallery; **Realtor.com**, the largest provider of real estate listings in the United States; **IXL Inc. and Genesis 2000**. Mr. Sturek has also honorably served in the **United States Marine Corps**.

Mr. Sturek strongly believes that all SOA Architects should have a strong understanding of the enterprise from the business perspective. His expertise is in Financial Services areas such as **EFT, Transaction Processing, Accounting, Risk Management, Loss Prevention, Health Care, E-Commerce, Real Estate, Mortgage Banking and CRM**. Areas of technical expertise include **Enterprise SOA, Enterprise Service Bus (ESB), Composite Applications, SOA Governance, Web Services / SOAP, XML, Microsoft SQL Server (VLDBs), Microsoft BizTalk Server, .NET and AJAX**.

## WHO SHOULD ATTEND

The profile of participants includes:

CIOs, CTOs, Directors, VPs, Heads of Departments, Senior Managers & Managers of:

- ✓ Information Technology
- ✓ Software Engineering
- ✓ Enterprise Architecture/Management,
- ✓ System Engineering/Architecture
- ✓ Business Analysis
- ✓ Network Engineering/Architecture

## WHY YOU SHOULD ATTEND

UNI Strategic ensures that its learning tools and resources ground the trainees in the areas covered in the workshop to enable them to start to think outside the box and build on the knowledge and expertise gained from this workshop. Workshop facilitators make no assumptions about the trainees prior knowledge and they work to ensure that the trainee need not participate in the same workshop again.

The facilitators encourage a comprehensive and fully explorative questions and answers.

## PRE-COURSE QUESTIONNAIRE

To ensure that you gain maximum value from this course, a detailed questionnaire will be forwarded to you upon registration to establish your exact training needs and issues of concern. Your completed questionnaire will be analysed by the course trainer prior to the event and addressed during the event. You will receive a comprehensive set of course documentation to enable you to digest the subject matter in your own time.

## Program Schedule

### (Day 1 - Day 3)

08:30	Registration
09:00	Morning Session Begins
10:40 - 11:00	Refreshments & Networking Break
12:45	Luncheon
14:00	Afternoon Session begins
15:30 - 15:50	Refreshments & Networking Break
17:00	Course Ends

