



## THE CRIMSON ADVANTAGE

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SMB PRODUCT PORTFOLIO  
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# Build and Infrastructure Engineering for J2EE

## Compiled By

Crimson Computing Solutions

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No of Sessions : 4

Duration : 2\*4 = 8 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. He co founded mobchannel.com the Social Solutions Hub which became a finalist in the 2010 PayPal Development contest. 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 co founded mobchannel.com the Social Solutions Hub which became a finalist in the 2010 PayPal Development contest. She previously worked with Tata Consulting Services and is currently living in SF Bay Area, CA.

## Course Details

This course is intended for participants who have basic skills in Java Programming and want to learn about build and release engineering. The course is focused on practical training and hands on experience through interactive webex based sessions. Ant , Maven, Cruise Control, AntHill Pro would be discussed. Sample code and configurations would be provided as part of the training and users would be given full access to the source code and build management setup behind mobchannel.com a social solutions portal.

## Reference Text Book

Fruitful Enterprise Java Application Development by Praveen George & Nicy Chacko  
Book purchases can be made online from  
<http://www.crimsoncomputing.com/university/books/enterpriseapp/>

## Prerequisites:

Good basics skills in Computer Science or related field. Familiarity with Java Platform.  
Basic understanding application building using build tools.



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## 1. Build Basics

- What is a Build
- Build Tools
- Installing Apache Ant
- Writing Build Scripts using Ant
- Installing Maven2
- Setting up Maven2 Repositories
- Maven2 fundamentals

## 2. Continuous Integration

- What is Continuous Integration
- Scheduling Build Iterations
- Using tools to use to setup a Continuous Integration Environment
- Downloading and Setting Up Cruise Control
- Downloading and Setting up AntHill Pro
- The build Process Basics
- Controlled Build Process
- Builds and Build Types
- Sharing Knowledge and Reuse
- Integration with Your Existing Tools and Environments
- Managing deployed applications and rolling back builds
- References & Further Reading

## 3. Managing Application Deployment

- AppServers, Web Servers and Load Balancers.
- Server Virtualization and Cloud Computing
- Configuring Amazon Elastic Compute Cloud
- Connecting to an EC2 instance using SSH
- References & Further Reading