FULL STACK DEVELOPER TRAINING

## Objective

The objective of this document is to outline the topics covered in the ‘Full Stack Developer’ training along with the agenda. The training will be administered in the following order. The hands on sessions will be held during the weekends on site and the online sessions will be presented over a web conference on weekdays in a 1-2 hour session.

### SOFTWARE DEVELOPMENT METHODOLOGIES

#### Scrum Agile Process (4 hours - Online)

This topic will cover the core concepts behind scrum development methodologies. The topics we will cover will be Framework, Roles, Events, Estimation, and Burn down charts. A scrum tool will be used to demonstrate the functionalities discussed above.

#### Manual Testing (4 hours – Online)

The topics covered will be the different types of manual testing methodologies, namely Acceptance, white box, black box, unit, integration.

### JAVA TECHNOLOGIES

#### Core Java (4 hours – online)

This training will only focus on some of the important topics in Java which will be useful for interviews. It will be more of an interactive session which will encourage participation and active discussion amongst the audience. (String pool, Garbage collection mechanisms, Aggregation-Association and Composition, Exception handling, Overloading-Overriding, Instrumentation). Examples will be provided wherever applicable.

#### Java Management Extensions (JMX) (8 hours online and 8 hours hands on)

The JMX training will cover the overview of JMX in java and its purposes, java Managed means (Mbeans) and notification mechanism in JMX. We will design a POC which demonstrates the various aspects of JMX in the online and classroom session. The classroom session will allow the audience to build more on the POC and familiarize themselves with JConsole.

#### Java Message Service (JMS) (20 hours online and 12 hours hands on)

### JAVASCRIPT TECHNOLOGIES

#### Angular JS (30 hours online and 32 hours hands on)

#### - Angular JS Integrating API or Backend

#### Bootstrap (8 hours online 6 hours hands on)

#### Authentication (12 hours online)