# Object Oriented Programming with ColdFusion CFML

## 2-Days Virtual Training | 12 hours

### DAY 1

1. A quick refresher of basic CFML constructs and syntax:
2. Variables, conditionals, looping, queries, functions.
   a. Scopes
      i. variables
      ii. var
      iii. form
      iv. url
      v. session
      vi. application
      vii. query
3. Components and Objects
   a. Building your first CFComponent
   b. Accessing the variables and methods inside a CFC.
4. Constructors
   a. CreateObject()
   b. init
   c. new
   d. <<inline>> constructors
5. Methods
6. Public and private
7. The "this" keyword
8. Inheritance
9. Composition
10. Method Overloading
11. Looping over objects, arrays of objects

### DAY 2

1. Interfaces
2. ORM
3. Intro to Design Patterns
4. MVC Primer
5. ColdBox Primer
   a. Installing and configuring ColdBox
   b. Convention based architecture explained