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<?xml version="1.0" encoding="windows-1258"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"
lang="en" xml:lang="en">
<head>
<title>*Pralay Patoria*                               Email: ppatoria@gmail.com</title>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1258"/>
<meta name="generator" content="Org-mode"/>
<meta name="generated" content="2013-09-09 16:14:10 "/>
<meta name="author" content=""/>
<meta name="description" content=""/>
<meta name="keywords" content=""/>
<style type="text/css">
<!--/*--><![CDATA[/*><!--*/
html { font-family: Times, serif; font-size: 12pt; }
.title { text-align: center; }
.todo { color: red; }
.done { color: green; }
.tag { background-color: #add8e6; font-weight: normal; }
.target { }
.timestamp { color: #bebebe; }
.timestamp-kwd { color: #5f9ea0; }
p.verse { margin-left: 3%; }
pre {
    border: 1pt solid #AEBDCC;
    background-color: #F3F5F7;
    padding: 5pt;
    font-family: courier, monospace;
    font-size: 90%;
    overflow: auto;
}
table { border-collapse: collapse; }
td, th { vertical-align: top; }
dt { font-weight: bold; }
div.figure { padding: 0.5em; }
div.figure p { text-align: center; }
textarea { overflow-x: auto; }
.linenr { font-size: smaller; }
.code-highlighted { background-color: #ffff00; }
.org-info-js_info-navigation { border-style: none; }
#org-info-js_console-label { font-size: 10px; font-weight: bold;
    white-space: nowrap; }
.org-info-js_search-highlight { background-color: #ffff00; color: #000000;
    font-weight: bold; }
/*]]>*/-->
</style>
<script type="text/javascript">
<!--/*--><![CDATA[/*><!--*/
function CodeHighlightOn(elem, id)
{
    var target = document.getElementById(id);
    if(null != target) {
        elem.cacheClassElem = elem.className;
        elem.cacheClassTarget = target.className;
        target.className = "code-highlighted";
        elem.className = "code-highlighted";
    }
}
function CodeHighlightOff(elem, id)
{
    var target = document.getElementById(id);
    if(elem.cacheClassElem)

```

```
    elem.className = elem.cacheClassElem;
    if(elem.cacheClassTarget)
        target.className = elem.cacheClassTarget;
}
/*]]>*///-->
</script>
</head>
<body>
<div id="content">
```

<h1 class="title">Pralay Patoria
ppatoria@gmail.com</h1>

Email:

<p>A3-07, Comfortzone,
Balewadi, Pune-45

Phone: 91997162 (mob)

</p>

<p>

Summary

More than 9 years of experience in Software Development and participated in all the phases of SDLC.
Wide experience and knowledge of object oriented design, and software design patterns.
Demonstrated skills in designing and developing software on Microsoft .NET framework and using C++/Win32.
Broad experience in developing Trading Applications, working with OMS and ECN.
Deep knowledge of FIX protocol. Designed and Developed FIX Engine which Implements FIX Protocol 4.2.
Designed and Developed Distributed Applications using middleware TIBCO Rendezvous and EMS.
Database Designing experience.
Customer/client centered with emphasis on high quality and system integrity.

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Skills and Experience

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<div id="outline-container-1" class="outline-2">

<h2 id="sec-1">1 C#, C++, Win32, C++/CLI </h2>

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<div id="outline-container-2" class="outline-2">

<h2 id="sec-2">2 WPF, WinForm, Prism (Composite Application Guidance)

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<div id="outline-container-4" class="outline-2">

<h2 id="sec-4">4 .Net Framework, .Net Enterprise Architecture and patterns, .Net Enterprise Library </h2>

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<h2 id="sec-6">6 Messaging Middleware: TIBCO Rendezvous, EMS </h2>

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<h2 id="sec-7">7 MS Sql Server 2000/2005, Oracle 10i, MySQL, Sybase 15.5 </h2>

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<div id="outline-container-8" class="outline-2">

<h2 id="sec-8">8 ASP.Net, HTTP, JavaScript, HTML, IIS. </h2>

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<h2 id="sec-9">9 Cygwin, Emacs, Win32 SDK, WinDBG, GNUMake </h2>

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<div id="outline-container-11" class="outline-2">

<h2 id="sec-11">11 SQL </h2>

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<p>

Education:

Master of Computer Applications (MCA) - July 2002

G.H.Raisoni College of Information Technology, India, Maharashtra, Nagpur

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Projects /Assignments Handled:

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Employer: ITCAN (Singapore) (Nov 2008 to Till-Date)

Client : Credit-Suisse

Credit Suisse Group is an international financial services group. I am into Investment Banking which offers securities products and financial advisory services to corporations, governments and institutional investors.

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<p>

Client : Credit-Suisse (Singapore)

Project : Trinity Server

Role: Senior Software Developer

Environment: C#, .Net Framework, Multi-Threading, EMS, FIX , SVN,

Powershell, Rule based architecture .

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Trinity is a server-side software framework that extends Credit-Suisse's Order Management System to enable specific business objectives. Additionally, Trinity can be used to provide load-balancing capability across multiple clients.

It provides:

High-performance caching of OMS data.

Extension of OMS data space. New attributes.

Ability to change the OMS state model

Add new state transitions

Combine existing states

Multiple Client interfaces (Other than OMS compatible interface)

Simultaneous connectivity to multiple OMS instances (for different region).

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Responsibilities:

Implemented interface to interact with Order Management System.

Design and Development of new features and enhancements.

Part of team which Implemented Rule Based Architecture.

Support Application and bug fixes.

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<p>

Client: Credit-Suisse (Singapore)

Project: Bulletin Board

Role: Senior Software Developer

Environment: C#, .Net Framework, EMS, WPF, Multi-Threading, SVN,

Powershell, Trinity Framework, Prism (Composite Application Guidance)

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<p>

Bulletin Board helps in exchange of information among traders about the orders the firm is working as well as other market events.

Application performs two functions.

It processes transactions/orders from OMS and provides indications to traders.
Trader can communicate and exchange messages using Bulletin Board.

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It has both server and client components:

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Responsibilities:

Involved in full life cycle of the project. Analyzed the requirements (Functional and Non-Functional). Created specification for development.

Development of Server Applications which listens to OMS for orders and publish Indications to Clients. Technologies used C# , .Net Framework, EMS, Trinity Proprietary Framework.

Development of GUI Client Application which listens to BulletinBoard Server and displays indications and also provides UI for text based communication between the traders. Technology used C# , WPF, Prism (Composite Application Guidance), EMS.

Unit testing and functional Testing .

Coordinate with Development Team and QA.

Support, enhancement and bug fixes.

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<p>

Client : Credit-Suisse (Singapore)

Project : GCE Client

Role: Senior Software Developer

Environment: C++/CLI, Socket, Multi-threading

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This is an application for compliance checking for the orders from clients.

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Responsibilities:

Designed and developed the library.

Support and Enhancement and bug fixes.

Unit Testing and Functional Testing.

Coordinate with Development Team, and QA.

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<p>

Client: Credit-Suisse (Singapore)

Project : Hermes Adaptor

Role: Senior Software Developer

Environment: C#, Multi-Threading, EMS, FIX Engine, SVN, .Net Enterprise Architecture and Patterns, Trinity Framework (propriety), Powershell

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Credit-Suisse's OMS is upgraded to new version and this adaptor is developed to facilitate old clients to interact with new version of OMS. Clients interact to OMS through HermesAdaptor.

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Responsibilities:

Involved in full life cycle of the project. Analyzed the requirements (Functional and Non-Functional). Created specification for development.

Designed and developed all the modules.

Support clients interacting with HermesAdaptor

Enhancement and Support/bug fixes.

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<p>

Client: Credit-Suisse (Singapore)

Project: Trinity - Program Trade-view

Role: Senior Software Developer

Environment: C#, Multi-Threading, EMS, FIX Engine, SVN, .Net Enterprise Architecture and Patterns, Trinity Framework (propriety), Powershell

It consists of two components.

(1) PT-Trinity which provides a dynamic database to aggregate data from various OMS instances (as per there regions) and the Program Trading Hub.

(2) OAS which also aggregates data from Static Market Data and real time Market Data from Reuters.

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PT-Trinity and OAS are used to provide the underlying data for representation of Trading Activity and market comparison to clients via the Trade View website which is used by traders.

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Responsibilities:

Support and Enhancement of PT-Trinity and OAS.

Coordinate with Development Team and QA.

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Client : Credit-Suisse (Singapore)

Project : Compression Engine

Role: Senior Software Developer

Environment: C#, Multi-Threading, SVN, Powershell

Trinity Framework

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Compression Engine allows to reduce a number of execution reports returning to an Order Originator from an Executing Venue. It Uses compression algorithm which is configuration-based plug-in implementation of various compression algorithms (by time, by percentage done, by shares done)

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Responsibilities:

Designed and Development using C#, .Net Framework and Trinity proprietary Framework.

Functional testing and Coordinated with QA.

Support and Enhancement and bug fixes

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Client : Credit-Suisse (Singapore)

Project : ShortSellLocate

Role: Senior Software Developer

Environment: C#, Multi-Threading, SVN, Powershell,

Trinity Framework and GMR protocol (Proprietary Credit-Suisse)

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<p>

ShortSell Locate Service automates the process of obtaining short sell locates for the US equities order flow.

Previously all short sell orders are approved (or rejected) manually with the help of GUI application .This reduces the delays in order flow associated with obtaining locates and will reduce amount of manual work performed by stock loan desk.

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<p>

Responsibilities:

Designed and Development using C#, .Net Framework and Trinity proprietary Framework.

Functional testing and Coordinated with QA.

Support and Enhancement and bug fixes

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Employer: Computech Enterprise Solutions (USA/INDIA) (July 2005 to Oct 2008)

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Projects /Assignments Handled:

Client : Verizon, Silver Spring, Maryland ,USA (June/08 to till-date)

Project : Bundle Qualification Tools

Role: Team Lead

Environment: C#, Web Services, Oracle 10i, XML, XSLT, VSS, OOAD, Design Patterns, Data

Modeling,.Net Enterprise Architecture and Patterns, Team Foundation Server

Verizon is a American Broadband and telecommunication company, Provides, Land line, wireless and Internet services. It provides various plans/bundles to the consumers. My team is involved in enrollment of customer for the plan.

Responsibilities:

Create Design Documents (Workflow, Use Case and Class design).
Coordinate with Development Team, provide design documents.
Coordinate with Testers, for test cases and fixes. There are 3 levels of Testing i.e. Development, Staging and Live.
Support Application and bug fixes.

<p>

Client: Mannatech Incorporated, Coppell, Texas, USA (Nov/07 to May/08)

Project: Mannatech e-commerce Application

Role: Team Lead

Environment: ASP.NET, C#, SQL Server 2005, Transact-SQL, Web Service, XML, XSLT, HTML, Java Script, VSS, NUnit, IIS, OOAD, Design Patterns, Data Modeling, .Net Enterprise Architecture and Patterns, Team Foundation Server

Mannatech is a networking company (Networking Distribution) for pharmaceuticals. It provides Commerce website for online order placement and order management. It's a 3 tier application uses Enterprise Library.

Responsibilities:

Redesigned mission-critical E-Commerce Website integrated with custom Order Fulfillment system.

Understanding User requirement and refactoring the existing Design and Code by applying required design patterns and oops.

Increase efficiency by replacing the Server Side processing with Ajax where required.

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<p>

Client : Countrywide Securities Corp, Agoura Hills, CA, USA (Feb/07 to Oct/2007)

Project: Post Trade Feed for Bloomberg

Role: Sr Software Engineer

Environment: C++, STL, Multi-Threading, Client/Server, FixEngine, Tibco RV, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNU Make.

It is a Post Trade Data Feed application, which follows Straight through Process (STP) to get trade data from Bloomberg electronic exchange. Used Fix protocol to get trade data from Bloomberg Exchange.

Responsibilities:

Designed and developed interface to interact with Bloomberg exchange using FixEngine.

Designed and developed Module which implements trade data processing logic and persisting processed data.

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<p>

Project: FixEngine-Generic library which implements FIX Protocol

Role: Sr Software Engineer

Environment: C++, win32, STL, Multi-Threaded, Client/Server, Socket, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNU Make.

This is a generic library for FIX 4.2 (Financial Information Exchange) FixEngine manages the session level protocol and provides a generic data structure to send/receive Application (trade) data to/from the counter party.

Responsibilities

Developed TCP/IP interface using Sockets for interaction with counter party.

Development of message processing module to process the raw stream of fix message which included validation and information extraction.

Development of core engine which delegates the retrieved information to the appropriate message handler and maintains session level protocol.

Developed interface to provide retrieved information to client in a generic data structure.

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Project: CASECast

Role: Sr Software Engineer

Environment: C#.Net, Multi-Threading, Client/Server, TIBCO, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNU Make.

CASE is trading system which provides real time and consolidated Market Pictures (Bid/Offer).

CaseCast is one of the UI component of CASE which provides Consolidated Market Picture to Traders. It also provides Hypothetical Market Pictures (Synthetic Instruments).

Responsibilities:-

Designed and Developed Interface to get real time Market Picture from List of ECNs.

Designed Module to compute consolidated market picture and publish them into the user using TIBCO Messaging Middleware.

Developed User Interface to show all the real time trades (i.e. Market Picture) from the list of selected Exchanges as well as Consolidated Market pictures to facilitate trading.

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<p>

Client : Countrywide Securities Corp, Mumbai, India (July/05 to Jan/2007)

Project: Post Trade Feed for Tullett Liberty

Role: Sr Software Engineer

Environment: C++, STL, C#, Multi-Threading, Client/Server, WebService, XML, XSL (c++ Xerces parser), Managed/Unmanaged Code Interoperability, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNUMake .

It is a Post Trade Data Feed application, which follows Straight through Process (STP) to get trade data from Tullett Liberty electronic exchange.

Responsibilities:

Interacting with Tullett Exchange support person. Designed and Developed interface to interact with. Net Web service to get trade data in XML format.

Designed Module for XML validation, Parsing and data extraction using Xerces C++ Parser.

Implementation of .Net Interoperability for interaction with Unmanaged C++ framework .

Support the Application.

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<p>

Project Bloomberg Central Unit

Role Sr Software Engineer

Environment C#, Multi-Threaded, TIBCO, Client/Server, WebService, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle) , .Net Remoting , cygwin, shell script, GNUMake.

This Application provide latest/updated information regarding a financial instrument (security) from Bloomberg.

Responsibilities

I was responsible for Design & development of Tibco interface to interact with user.

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<p>

Project: Seaboard Post Trade Feed Application

Role: Software Engineer

Environment: C++, STL, Multi-Threading, Client/Server, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNUMake.

It is a Post Trade Data Feed application, which follows Straight through Process (STP) to get trade data from Seaboard electronic exchange.

Responsibilities:

Designed and Developed interface to interact with Seaboard exchange using FixEngine.

Module which implements trade data processing logic and persisting processed data.

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<p>

Project: ArmDesk Price Feed Application

Client: Countrywide Securities Corp, Mumbai, India

Role: Software Engineer

Duration: 4 months (from 08/05 to 12/05)

Environment: C#, Multi-Threading, Client/Server, Tibco, Socket, TOC (proprietary O/R Wrapper over MS SQL Server and Oracle), cygwin, shell script, GNUMake.

Its a Market data feed application which listens to ArmDesk server (using TIBCO RV) for latest trade data and updates Bloomberg Exchange Server, which displays the information regarding ArmDesk as a table in row column format.

Responsibilities:

Developed interface to listen Arkdesk Server using TIBCO RV.

Developed module for information extraction and processing.

Developed module to interact with Bloomberg Server and update required

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Employer : Lambent Technologies Pvt LTD, Nagpur , India (Mar/04 to Mar/05)

Project Ad Intelligence

Role Software Engineer

Environment C++, STL, Multi-Threaded, Client/Server, XSLT, COM

The System is primarily an Ad delivery platform, which keeps track of users URL activities and delivers the advertisement according to current context.

Responsibilities

As a team member I was involved in.
Designing low level class design. Coding and Unit Testing.

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<p>

Project Mango Tango

Role Software Engineer

Environment C++, STL, Multi-Threaded, Client/Server .XSLT, COM

The System is primarily an Ad delivery platform, which keeps track of users URL activities and delivers the advertisement according to current context.

Responsibilities

Designing low level class design. Coding and Unit Testing.

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<p>

Employer : Mahatma Gandhi International University, Lucknow, India

Dec/02 to Feb/04

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Project "Contemporary Hindi Dictionary"

Role Computer Lexicon Associate (Software Developer)

Environment ASP.NET, C#, SQL Server 2000, Webservice, Transact-SQL, XML, XSLT,

HTML, JavaScript, VSS, NUnit, IIS, OOAD, Design Patterns, Data Modeling, .Net Enterprise Architecture and Patterns

It is a fully web based computer dictionary which is developed primarily for end user and machine Translation and computer linguistics

Responsibilities

Developed Webservice which provides meaning and other linguistics information.

Involved in development of Web Site which internally interact with the webservice to get the information.

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<p>

Project: Network File Sharing

Role: Computer Lexicon Associate (Software Trainee)

Environment: VC++, MFC, Win32, Socket

Its a Peer-to-Peer Network file Sharing software.

Responsibilities:

Understanding The System Flow and Participating in the Design phase of the project.

Working on Unified Process Modeling .

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<p>

Project: Library Management

Role: Computer Lexicon Associate (Software Trainee)

Environment: C#.NET, WinForm, Visual Basic 6.0, MS SQL Server 200

It's a Library Management Software. It reads the bar-code to retrieve and maintain the information.

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<p>

Responsibilities:

Understanding User Requirement and System Flow.

Developing Screens as per user Requirement.

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<div id="postamble">

<p class="author"> Author:

</p>

<p class="date"> Date: 2013-09-09 16:14:10 </p>

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