

Subhayan Banerjee

Associate Manager (Technology) | JAVA/J2EE

An experienced Technology Manager (Java/J2EE) with 17+ years of experience in spearheading Development and Management of multiple projects in different domains.

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Core Competencies

Full Stack Development using Java/ J2EE

Solutions Architecture

Strategic & Technology Leadership

Dev Ops / UNIX / Shell Scripting

Stakeholder Management

Data Structure & Algorithm

Team Building & People Management

Education

- ✓ Diploma in Electronics & Tele – Communication Engg. [WB State Council of Technical Education (77.1 %)]
- ✓ 'A' Level from DOEACC Society (DOE, Govt. of India)



Profile Summary

- A focused professional with **17+ years** of experience in
 - ✓ Software **Design & Development**
 - ✓ Solution Architecture
 - ✓ Strategy & Planning
 - ✓ Program & Delivery Management
 - ✓ Stakeholder & People Management of multiple projects in BFSI, **Investment Banking**, Telecom & Media domains.
- Currently associated with **IRIS Software Technologies** as **Associate Manager (Technology)**; received **Certificate of Appreciation** multiple times, for exemplary performance, job commitment and dedication - during my **tenure of 14+ years**.
- **Managed the Application Development life cycle** i.e., Requirements Gathering, Design, Development, Test Planning, Test Estimation, Release & delivery, Reporting.
- **Instrumental in Project Management** by participating in various activities like Project Planning, Capability & Availability Management, Project Monitoring, Control and Risk Management.
- **International Exposure:** Visited USA in 2014, **holds valid US B1/B2 visa (expiry 03/2023)**.
- Skilled in working on:
 - ✓ Core Java, Multithreading, Spring Framework, Spring Boot, Spring Cloud
 - ✓ REST Full Web Services, Micro service
 - ✓ Caching solution like Coherence, Apache Ignite, Gridgain
 - ✓ DevOps, UNIX Scripting.
- More than 6 years working experience on **Capital Market Reference data**.
- Engineering Web Development, all layers, from database to services to user interfaces using JAVA/J2EE technology
- Design and implementation of **Web Based & Standalone Applications**.

Technical Skills

Java, Multithreading, Spring Framework, Spring Boot, Ajax/Java Script, Angular JS

Spring Cloud, Hibernate, REST API, Micro services, MS SQL Server, Oracle

Jenkins, Nexus, GIT, Maven, UNIX, Shell Scripting



Career Timeline



Jan 2004

Jul 2006

Aug 2006

Jul 2007

Jul 2007

Till Date

Sonet Microsystems Pvt. Ltd.

Qualtech Consultants Pvt. Ltd.

IRIS Software Pvt. Ltd.

Software Engineer

Engineering Analyst

Associate Manager (Technology)

Senior Solution Consultant

Solution Consultant

Senior Software Engineer

Current Project

For one of the leading Investment Bank
Associate Manager (Technology)

Nov 15 – Till Date

Project: Reference and Market Data Services

Reference and Market Data Services targets the end users, such as Traders and Researchers. Traders and Researchers need the current market data for trading, which needs data to be aggregated from different sources. This project grabs data from different sources like Bloomberg, Traders Web, Reuters and many other internal data sources and stores those data in a central database to create a Data Warehouse, which is then used by traders and researchers for trading and analysis.

Reference Data Processing Framework

- **Data Processor**
Receive data from upstream systems in various format like text/csv file, XML Solace updates, XML file in shared path, JSON Array in shared path etc. After parsing and enriching data send for Merge to Merge Engine.
- **Merge Engine**
After receiving data, Merge Engine try to identify existing matching Instrument in MRD's data set which has been already stored in Coherence Cache. Identifiers are used for identifying existing data. After that it uses source based data merge and store back to Coherence Cache.
- **Request/Response Framework**
Existing data exposed through REST services to the downstream.

Multiple UI development

- **Data Browser for Book, Counter Party and People**
MRD stores reference data for Instrument, Book, Counterparty and People. These data kept in Coherence cache. In order to view the data currently active in cache Data Browser was developed.
- **Service Authorization for Request/Response**
MRD uses REST Full services for req/res. In order to provide correct authorization and setting the limits of the services this UI was developed.
- **Performance Alert for Request/Response**
This UI was developed to set and verify the limits of various Matrices like max execution time, max records for call, max records per min/hr etc.
- **Menu Service UI** to manage multiple URLs.

Config Server

- Configuration Server (CS) application is used downstream applications to store their screen layout preferences (config elements).
- CS has features to merge and calculate delta for a config element in a hierarchy. The hierarchy could be at application level (or sub application) or at the group level or at the user level.
- This application is developed as service oriented, and the services are exposed as XML over HTTP.
- The application runs on Jetty webserver and deployed in Linux environment. The application has a UI admin tool built in where Users can manage all the service level activities.

CM Entitlement

- An independent application which stores and provide various application entitlements to the end users.
- CM Entitlement keep resource data, added support for resources: Product Groups, Instrument Groups, PODs, Trading Desks, Sales Entities and people.
- Developed and deployed CMACS entitlements reports from CM Entitlement.
- Development of generic resource bulk upload in CM Entitlement

Responsibilities:

- ✓ Implementing and following Agile methodologies
- ✓ Understanding requirements and contribution to program specifications
- ✓ Performing initial analysis and providing estimations
- ✓ Creating Business Requirement Documents

- ✓ Distributing tasks among team
- ✓ Progress monitoring and reporting
- ✓ Design and Development.
- ✓ Unit Testing, Code review and code refactoring.
- ✓ Code integration and deployment.
- ✓ Authentication & Authorization using OAuth2
- ✓ Ensure the overall solution is reliable and scalable.
- ✓ Profiling, Load / performance testing of various applications.
- ✓ Project Monitoring and Reporting
- ✓ Risk Management

Tools & Environment:

JDK (Version 1.8), Eclipse (Version 3.6.1), Eclipse PMD plug-in, Find Bug Plug-in, Maven (Version 3.0.2), Spring (Version 3.0.5), Angular JS 1, Oracle Coherence, Apache Ignite, REST, Spring Boot, Spring Cloud

Previous Projects:

Lord Abbett, US & New Delhi

Feb 13 – Nov 15

Senior Solution Consultant

1. Project: Regional Manager Incentive Matrix (RMIM)

Responsibilities:

- ✓ Delivering a complete front end application using AngularJS.
- ✓ Writing tested, idiomatic, and documented JavaScript, HTML and CSS.
- ✓ Writing the server side process for building the REST full web services.
- ✓ Guided the team in building out a responsive UI layer utilizing semantic html5, Bootstrap, AngularJS, and REST API architecture while adhering to the latest web UI standards, design patterns, and best practices.

Tools & Environment:

JDK (Version 1.6), Hibernate, Spring, Oracle, AngularJS, Bootstrap.

2. Project: Various Middle Office projects

Responsibilities:

- ✓ Understanding and Analysis of the Business Requirement Documents and spread knowledge to the team.
- ✓ Design and Development of the multiple Frameworks.
- ✓ Design and Coding of Report generation.
- ✓ Unit Testing, Code review and code refactoring.
- ✓ Team handling, divide and assigning tasks, code integration and deployment.

Tools & Environment:

JDK (Version 1.6.0_24), Struts 1.3, Hibernate, Spring, SQL Server 2005

Royal Bank of Canada (RBC), New Delhi

June 11 – Feb 13

Solution Consultant

Project: Reference and Market Data Services

Responsibilities:

- ✓ Understanding and Analysis of the Business Requirement Documents and spread knowledge to team.
- ✓ Design and Development of the basic Framework of the application using Spring.
- ✓ Design and coding of Property configuration manager – which helps gather properties from database for all the data feeds.
- ✓ Design and coding of SRDR data feed.
- ✓ Design and coding of Bloomberg data feed.
- ✓ Design and coding of BATS data feed.
- ✓ Design and coding of MONACO data feed.
- ✓ Design and coding of merging data gathered from all above sources.
- ✓ Unit Testing, Code review and code refactoring.
- ✓ Code integration and deployment.

Tools & Environment:

JDK (Version 1.6.0_24), Eclipse (Version 3.6.1), Eclipse PMD plug-in, Find Bug Plug-in, Maven (Version 3.0.2), Spring (Version 3.0.5), JAXB & CASTOR for XML processing, JMS & IBM MQ Series, Sybase IQ, SQL Server 2005

Flowserve Corporation, New Delhi

June 08 – May 11

Senior Developer

1. Project: Pattern Conflict Identifier**Responsibilities:**

- ✓ Understanding and Analysis of the Business Requirement Documents and spread knowledge to team.
- ✓ Design and Development of the basic Framework of the application using Spring and Struts.
- ✓ Coding of SFTP downloader using jsch API.
- ✓ Coding of Business Validation process.
- ✓ Coding of Zip utility.
- ✓ Unit Testing, Code review and code refactoring.
- ✓ Team handling, divide and assigning tasks, code integration and deployment.

Tools & Environment:

JDK (Version 1.6.0_24), Eclipse (Version 3.6.1), Struts (Version 1.3), spring (Version 3.0.5), Quartz Scheduler API, Oracle 10g

2. Project: Vendor Management System [VMS]**Responsibilities:**

- ✓ Developed Struts Action Classes, Command classes, Data Access Objects, UI using JSPs for the module Advanced Product Quality Planning (APQP), which helps the Flowserve user to create an APQP project and upload supporting files for different elements. Also developed pagination based search facility using AJAX.
- ✓ Developed Struts Action Classes, Command classes, Data Access Objects, UI using JSPs for the module Production Part Approval Process (PPAP), which enable the Flowserve user to create a new PPAP project, update an existing PPAP project and pagination based search functionality.
- ✓ Developed “Invite Supplier Registration” module which helps to invite an existing Flowserve supplier by the Commodity Managers of Flowserve.
- ✓ Involved in the development process of “Supplier Approval” module. This module works in two parts – Commodity Manager Approval and Data Steward Approval.
- ✓ Developed weekly Scheduler by using Quartz 1.6 API to generate weekly Report for Supplier open issues list, open APQP projects etc.
- ✓ Interaction with client’s business users and business analysts.
- ✓ Developed the modules “Supplier Quality Reporting” and “Supplier Delivery Reporting” which generates graphical charts.
- ✓ Developed Supplier Capability Matrix, which capture the details like Fabrication, Calibration, Heat Treatment, Plating etc. on the basis of some criteria defined by the supplier.
- ✓ Developed the Auditing module which uses the supplier capability matrix to analyze the working of the supplier

Tools & Environment:

JDK (Version 1.5), Struts (Version 1.3), Spring (Version 2.5), Hibernate (Version 3.0), JSP, JSTL, Struts Tag Lib, Servlet, JavaScript, AJAX, My Eclipse IDE (Version 6.5)

3. Project: Flowserve Pattern Transaction System [FPTS]**Responsibilities:**

- ✓ Understanding the business requirement from client, document.
- ✓ Design and developed basic architecture of the whole application using Struts, Spring and Hibernate.
- ✓ Continuous client interaction and spread requirement over the team.
- ✓ Design and development of the following modules –
 1. Active Pattern Details.
 2. Flowserve Pattern Request / Supplier Pattern Request.
 3. Response against Pattern Request.
 4. Cycle Counting Report.
 5. Upload Pattern Documents / Maintain the life cycle of the documents.
 6. Integration with Vendor management system
 7. Pattern Stats Report
- ✓ Unit Testing, Code review and code refactoring.

- ✓ Team handling, divide and assigning tasks, code integration and deployment

Tools & Environment:

JDK (Version 1.5), Struts (Version 1.3), Spring (Version 2.5), Hibernate (Version 2.0), JSP, JSTL, Struts Tag Lib, JavaScript, AJAX, My Eclipse IDE (Version 6.5)

4. Project: Manual Order Entry [MOE]

Responsibilities:

- ✓ Design and Development of the module Booking Site Setting, which helps site manager to provide necessary information about the site.
- ✓ Order entry is the main module of this application. On the basis of site selection, this module pulls out all the order details. I was involved in writing Action classes, JSPs and DAO.
- ✓ Developed the module "Adding Line Item", which captures the details of shipment and assign a Sales Engineer and Sales Representative.
- ✓ Developed the module "Transmit Booking to WWBS", which sends all details of the Staging table to the One view database.
- ✓ Developed various reports – Booking report, Shipment Report, Order Upload report.

Tools & Environment:

JDK (Version 1.4), Struts (Version 1.2), JSP, Servlets, Hibernate (2.0), JavaScript, AJAX, Oracle 9i, JSR 168 (Portlet development API), Eclipse IDE (Version 6.0)

Vostu USA Inc, New Delhi

Sept 07 – June 08

Developer

Project: vostu.com

Responsibilities:

- ✓ Developed Java/Servlet/JSP/Hibernate code for the front-end and middle-tier components.
- ✓ Development of the Network Editing module which enables Networks to set privacy settings, languages settings, Network pictures, Network information, interest etc.
- ✓ Involved in the development of the Registration module (comprises of four sub modules inclusive of personal information, profile picture, invite your friends and landing select.)
- ✓ Involved in the development of the Events module which allows the user to create new events, invite friends to the newly created events, view invitations to the events and accept or reject the invitations.
- ✓ Developed album upload module which allows users to upload different formats of picture files to an existing album.

Tools & Environment:

JDK (Version 1.4), JSP, Servlets, Hibernate (3.0), JavaScript, AJAX, MySQL, Eclipse IDE (Version 6.0)

Hindustan Times Media limited, New Delhi

Aug 06 – July 07

Developer

Project: myHT.in

Responsibilities:

- ✓ Developed Java/Servlet/JSP/EJB code for the front-end and middle-tier components.
- ✓ Developed the module Annual Maintenance Cost (AMC) which helps HT to keep track of various Hardware/Software components.
- ✓ Partly developed Legal analyzer, which tracks the various legal activities and sends email to the corresponding HT users.
- ✓ Involved in the development of the life cycle of the Ticket generation/maintenance process which was used in HT Help Desk.
- ✓ Integrate IBM Lotus Same time chat functionality with myth.in.
- ✓ Integrate Open CMS as the container management system in myth.in.
- ✓ Developed the module "Workforce", used by the HR department attendance, leave management etc.

Tools & Environment:

JDK (Version 1.4), JSP, Servlets, Struts 1.2, Hibernate (3.0), EJB 2.0, JavaScript, Oracle 10G



Personal Details

Date of Birth : 25th July 1976

Languages : English, Hindi and Bengali

Address : Greater Noida West, UP