**GANESH PAGAR**

**Summary**

Total 17+ years of extensive experience in computer software systems design, hands-on development, and junior developer management in many fields of financial programming and on various hardware and software platforms. Strengths and expertise include Liquidity Risk Management, Cash Management, Back Office Trading Application, Supply Chain Finance, Distributed component systems, a large set of data processing, User Interfaces, Various Messaging middleware, Applying Object-Oriented design principles, languages, and tools.

**Skills**

**Recently applied technologies:** Java (Core Java, Spring, Spring Boot, Hibernate, REST API’s and Microservices), J2EE (JSP/Servlets, jQuery, JDBC) and Web client applications (HTML, JavaScript, XML, JSP) and Typescript (Angular and VueJS)

**Platforms:** WebLogic and Tomcat Server Admin Configuration, AWS Infra Setup (App Server, RDS, Web Server), DBA Admin Setup (Group and Roles Management), CI/CD Pipeline (Bitbucket, Jenkin, Docker)

**Languages:** Java (17+ Years), SQL (12+ Years), Shell Scripting (10+Years), Python (2+ Years)

**SDLC Tools:** Development Tools (Eclipse), Batch (TIDAL and CTRL-M), Design (MS Visio), Testing Tool (JIRA and QC), Source Control (Bitbucket), Build and CI/CD Apps (Jenkin, SonarQube, and Docker) and Others (Putty, WinSCP).

**Education**

University of Pune (Pune, India), Department of Management, Master’s in business administration, Specialization in Finance – May.2011

University of C-DAC, Department of ACTS (Advanced Computing Training School)

Post Graduate Diploma in Advanced Computing, Specialization in Computer Programming’s – February 2006.

University of Pune (Pune, India), Department of Computer Engineering

Bachelor’s in engineering, Specialization in Computer Engineering – May.2004

**PROFESSIONAL EXPERIENCE:**

**MUFG Union Bank, Jersey City, NJ - October.2014 to Present**

**Project Role:** Lead Java Developer

**Project:**

**LRMS (Liquidity Risk Management) Release1:** This release is for FR2052A report. It includes Product Mapping of Collateral Data (Securities (Listed, Future, Options and Cleared), Bi-Lateral, Repo, Reverse Repo, Investment Securitas), Cash and Transaction Data (Loans, Deposits, Intercompany Transfers), General Ledger Accounts, Complex Data Elements (Cumulative Collateral, Collateral Trade Linking, Collateral Dispute, Collateral Downgrade, Volatility Haircut, Credit/Liquidity Facility)

**LRMS Release2:** This release is for Intraday Reporting. It includes Real-time Cash Reporting (FED, CHIPS and SWIFT), Real Time Securities Information, Daily Short Term Forecasting Information and Monthly Long Term Forecasting Information and Early Warning Data.

**LRMS Release3:** This release is for Fr2052A Validation Framework, Process Monitoring Notification and Data Reconciliation. It included all data elements check for FR2052A, batch status notification and data reconciliation of different hubs using N-Tier platform.

**TPS Migration:** Migrated the TPS application from GE Infrastructure to MUFG Bank, converted it from JDK8 to JDK 11, Make Compliant as per bank standards by fixing security issues and replacing vulnerable libraries, and created CI/CD pipeline to automate build and deployment.

**Tasks and Accomplishments:**

* Worked with Business Co-Ordinator’s and BAs to understand business requirements and functional design documents.
* I created detailed design documents covering both functional and nonfunctional requirements.
* Write the code using Java Stack and oversight the technical work of developers.
* Supported SIT and UAT Testing, Works with testing team during performance, volume, and regression testing.
* Build the CI/CD Pipeline for all the applications.
* Stream applications using Kafka APIS and Kafka Streams Api.
* Implemented spring boot microservices to process the messages into the Kafka Cluster setup.
* Deployed the application to Production Environment and Provided Level 3 Support to applications.
* Communicates with Users and assists them in how to use new features of the application.
* Resource Estimations and Contract Negotiation with Multiple Vendors

**ENVIRONMENT:**

**Products:** OFSAA (ALM and LRM), OBIEE, QlikView, Hyperion, Informatica Client and Power Agent

**Technologies:** Java, Spring Boot, Spring, Hibernate, Rest API, Microservices, Kafka, Angular, Shell Scripting, PL/SQL and Python, CI/CD Pipeline (Bitbucket, Jenkin, Docker)

**Tools:** DB2 Client, WinSCP, TIDAL, Putty, MS Visio, Erwin Data Model; **Databases:** DB2 and Oracle

**OS:** Windows and AIX; **Application servers:** Weblogic

**Client: Cognizant (Client: Credit Suisse), New York, NY - March.2013 to Oct.2014**

**Project Role:** Senior Full Stack Developer

**Projects:** **GCM (Global Cash Management) and ILIR (Intraday Liquidity and Interface Reporting)**

**GCM** - The Global Cash Management project, implemented to meet the global "One Bank" requirements, takes the projected cash flows from internal Operational Processing Platforms (OPPs) like the (New Trades Processing Architecture) NTPA and compares them with the actual cash movements in the bank. This helps the business know if the expected cash has been received at the firm's Nostros. The Cash Management project takes in SWIFT cash-related messages (900, 910, 950, 545, 547, 202 and 103) and carries out intraday records on the expected cash movements.

**ILIR (Intraday Liquidity and Interface Reporting):** ILIR solution is to implement the BASEL Committee’s principle for Sound Liquidity Risk Management and Supervision. This solution enables the Bank Cash Manager to get a view of the Intraday Liquidity Positions and provides reports to regulators to comply with the regulatory requirement. Team size: 20+.

**Tasks and Accomplishments:**

* Working with BA’s on defining requirements in Liquidity Management
* Creating the Architectural document from Functional Requirement Document and to get the sign off from Business.
* Lead the construction phase, takes the ownership of complex module, provides the technical help to the team, and deliver the code on time with quality (It includes Coding, Unit Testing, and Integration Testing)
* Writes the Java code to handle large volume of cash more than 1 million per day in clustered environment. Used Java multithreading, Spring JMS, Spring Core, Hibernate JPA, EJB and SOAP Service for handling the trades.
* Deployment of the application on multiple UNIX environments including Dev, QA, UAT and PROD environments.
* Works with testing team during performance, volume, and regression testing.
* Monitors the performance of the application and improving it by optimizing SQL’s, Checking Server logs, garbage collection handling and upgrading infrastructure including increasing the RAM etc.
* Created technical guides for developers and new joiners.
* Communicates with Users and assists them how to use new features of the application.
* Writes CTRLM jobs using shell scripting and using Java APIs to send reports to the treasury, to send matching alerts and disk space alerts to the support team and to get the data from third party using WebServices.
* Code reviews and educates the team on coding standards, handling exceptions and usage of multitier architecture into the application.
* Developed various helper classes using Core Java multi-threaded programming and Collection classes.
* Designed Oracle schema (tables, views, Indexes, Constraints, and stored procedures etc).

**ENVIRONMENT:**

**Languages:** Core Java, JMS, Spring, EJB, JSP, Servlet, XML/XSD Parsing, Web Services, Hibernate JPA, Shell Scripting and SQL’s

**Technologies:** Java, PL/SQL, and UNIX Scripting; **Tools:** Hermes, Rapid SQL, TLM, WinSCP, Putty, CTRL-M, MS Visio, and Enterprise Architect; **Source Control:** SVN; **Methodology:** Incremental; **Databases:** Oracle; **OS:** Windows, Suse Linux; **IDE:** Eclipse

**Application servers:** WebLogic and Tomcat

**CLIENT: Cognizant (Client: Credit Suisse), Singapore & Pune - Jan.2012 to Feb.2013**

**Project Role:** Senior Full Stack Developer

**Project:** CS (Credit Suisse) PLUS Analytics provides a live, interactive, multi-product platform for clients, sales, trading, and research within fixed income. Credit Suisse's research analysts use CSPlus to publish research articles in Equities, Fixed Income, Credit, Macro and Commodities. CS PLUS Analytics delivers a combination of live market data, relative value monitors, calculators, the ability to analyze and track trade ideas and collaborate using application specific instant messaging and email. Users have access to Credit Suisse's view of the market and trade ideas, as well as the ability to customize their own market views and set up trade performance monitors. Team size: 9.

**Tasks and Accomplishments:**

* Created Architectural Documents and get the signoff from IT Owner and Architectural team.
* Created Widgets using three and two column page model structure using ExtJS scripting.
* Wrote Code using ExtJS, JSON, Restful Service, Spring and Hibernate from Front End to Backend communication.
* Unit and Integration testing of the application
* Worked with tester during functional, performance and regression testing.
* Active involvement in resolving the application issues like performance and formatting issue.
* Participated in bi-weekly production releases.
* Designed Web Portal and migrated 40K+ users from old application to new portal successfully.
* Coordinated with the client, discussed the new requirements, and provide the proposed solutions.
* Provide technical help to teammates to setup the new workspace, to integrate the project and to build the application.
* Created the Technical documentation for the developers and new joiners.

**ENVIRONMENT:**

**Languages:** Core java, J2ee, ExtJS, EhCache, Spring, Restful Service, Hibernate, Shell Scripting and SQL’s

**Technologies:** Java, PL/SQL, and UNIX Scripting; **Tools:** Hermes, Rapid SQL, WinSCP, Putty and JIRA; **Source Control:** SVN

**Methodology:** Agile (Scrum); **Databases:** Oracle and Endeca (Non SQL); **OS:** Windows, Suse Linux

**IDE:** Eclipse; **Application servers:** WebLogic and Tomcat

**CLIENT: Cognizant (Client: Credit Suisse), Pune, MH, India - Jul 2010 – Dec 2011**

**Project Role:** Senior Full Stack Developer

**Project:** IMAN & SMAN - Globalization of LASAR component IMAN is a key initiative to standardize Global instruction management component for the creation and transmission of settlement instruction messages and a single interface to the Credit Suisse external Agent Network and its Central Securities Depositaries (CSDs). One of the main objectives of this project is to facilitate the consolidation of settlement instruction business requirements globally.

Settlement Manager (SMAN) is a strategic LASAR end state component and globalization of SMAN is a key LASAR initiative. SMAN receives settlement notification from Credit Suisse external Agents/Central Securities Depositories (CSDs)/another CS entity and matches with the internal trade and capture the settlement. The key objective of this project is to consolidate SMAN globally with a common code base across all regions. Team size: 10.

**Tasks and Accomplishments:**

* Created low level design documents.
* Created Remote and Local EJB’s, Messages queues, BO’s, Bridges and Foreign Server
* Unit and Integration testing
* Conducted the functional (Trade Flow) and technical sessions (Struts, EJB and Spring) to the team.
* Ensured that work should be delivered on time with quality.
* Used design patterns including Singleton, DAO, Facade, Factory, Front Controller and Observer
* Resolving UNIX environment issues including setting the server ENV variables, clearing JMS stores or Server’s cache
* Provided technical help to the other teammate to setup new workspace, to integrate the project and to build the application.

**ENVIRONMENT:**

**Languages:** Core java, J2ee, EJB, Spring, JMS, Struts, Hibernate, Shell Scripting and SQL’s; **Technologies:** Java, PL/SQL, and UNIX Scripting; **Tools:** Rapid SQL, WinSCP, Putty and QC; **Source Control:** SVN; **Methodology:** Incremental

**Databases:** Oracle and DB2; **OS:** Windows and Suse Linux; **IDE:** Eclipse; **Application servers:** WebLogic and Tomcat

**CLIENT: HSBC Software Center, Pune, MH, India - Jan.2010 to July.2010**

**Project Role:** Senior Full Stack Developer

**Project:** Code Security Application - This project is part of the security and framework department. It allows the user to login to the HSBC internet banking account throughdifferent CAM flavors. This project contains the Registration, Logon, Online Password Reset and Edit Company Modules Team size: 6.

**Tasks and Accomplishments:**

* Analyzed the functional requirement.
* Prepared the design document, RSA is used to create design diagrams.
* Discussed the proposed design with Architectural team.
* Wrote the code using JSF, Spring, JSP, Servlet, Java Script and JDBC
* Wrote Junit unit test cases.
* Code cleanup and formatting, removed unused classes, functions, JARs and config files.
* Build the application (JAR’s, WAR and EAR files) using maven.

**ENVIRONMENT:**

**Languages:** Core java, JSF, Spring, JSP, Servlet and SQL’s; **Technologies:** Java and PL/SQL; **Tools:** Rapid SQL, RSA, WinSCP, Putty and QC; **Source Control:** MKS; **Methodology:** Incremental; **Databases:** Oracle; **OS:** Windows and Linux; **IDE:** RAD

**Application servers:** WebSphere and Tomcat

**CLIENT: HSBC Software Center, Pune, MH, India - Feb.2009 to Dec.2009**

**Project Role:** Senior Full Stack Developer

**Project:** MI Audit- This project is used for logging MI and Audit information. MI data gets logged into the text file and Audit data gets logged into the Database. This project is wrapper on Log4j. MI contains the different loggers to log the data. Team size: 3.

**Tasks and Accomplishments:**

* Prepared the design document.
* Discussed the proposed design with Architectural team.
* Wrote the code using Java, Log4J, JSP, Servlet, Java Script and JDBC
* Wrote Junit test cases.
* Code cleanup and formatting, removed unused classes, functions, JARs and config files.
* Build the application (JAR’s, WAR and EAR files) using maven.
* Successfully implemented logging JAR in more than 100+ applications

**ENVIRONMENT:**

**Languages:** Core java, Log4J, JSTL, JSP, Servlet and SQL’s; **Technologies:** Java and PL/SQL; **Tools:** Rapid SQL, RSA, WinSCP, Putty and QC; **Source Control:** MKS; **Methodology:** Incremental; **Databases:** Oracle; **OS:** Windows and Linux; **IDE:** RAD

**Application servers:** WebSphere and Tomcat

**CLIENT: HSBC Software Center, Pune, MH, India - March.2008 to Jan.2009**

**Project Role:** Java Developer

**Project:** Training Notifier- Training notifier application sends the notification to the managers about the training details of his/her subordinate, it also generates different reports. Training Notifier has the different modules a. Logon b. Notification configuration c. Report Generation and d. Scheduler. Team size: 3.

**Tasks and Accomplishments:**

* Prepared the design document.
* Discussed the proposed design with Architectural team.
* Wrote the code using Java, Spring, Hibernate, JSP, Servlet, JSF, Java Script and JDBC
* Created multithreaded notifier to verify associate training details and to send training details.

Notification to associates manage.

* Wrote Junit unit test cases.
* Integrated different components
* Build the application (JAR’s, WAR and EAR files) using maven.
* Successfully implemented logging JAR in more than 100+ applications

**ENVIRONMENT**:

**Languages:** Core java, Spring, Hibernate, JSF, JSP, Servlet and SQL’s; **Technologies:** Java and PL/SQL

**Tools:** Rapid SQL, RSA, WinSCP, Putty and QC; **Source Control:** MKS; **Methodology:** Incremental; **Databases:** Oracle

**OS:** Windows and Linux; **IDE:** RAD; **Application servers:** WebSphere and Tomcat

**CLIENT: HSBC Software Center, Pune, MH, India - July.2007 to Feb.2008**

**Project Role:** Java Developer

**Project:** WebTrend Extract- Webtrend Extract component is used to extract the various reports from Web Trend Database and to store it into the text file. Team size: 3.

**Tasks and Accomplishments:**

* Wrote code for Extracting reports using Web Services, verifying contents using XML parsers and storing it in txt files.
* Wrote code to send an email notification.
* Enhancement of new features.
* Fixed production issues.

**ENVIRONMENT:**

**Languages:** Core java, Spring, Hibernate, JSF, JSP, Servlet and SQL’s; **Technologies:** Java and PL/SQL

**Tools:** RSA, WinSCP, Putty and QC; **Source Control:** MKS; **Methodology:** Incremental; **Databases:** Oracle

**OS:** Windows and Linux; **IDE:** RAD; **Application servers:** WebSphere and Tomcat

**CLIENT: HSBC Software Center, Pune, MH, India - April.2006 to May.2007**

**Project Role:** Java Developer

**Project:** Mobile Banking- The purpose of this application is to send data from mobile device to Webtrend server. Webtrend Server generates various reports according to data. Team size: 3.

**Tasks and Accomplishments:**

* Understood project requirements.
* Did the coding using Core Java, threading, and DAO.
* Created helper classes.
* Attended KT sessions
* Learned new frameworks including Spring, Hibernate and Struts
* Completed eLearning courses.

**ENVIRONMENT:**

**Languages:** *Core java, JSP, Servlet and Portlet and Mobile portal Toolkit (WEMP);* **Technologies:** Java and PL/SQL

**Tools:** WEMP; **Source Control:** MKS; **Methodology:** Incremental; **Databases:** Oracle; **OS:** Windows and Linux

**IDE:** RAD; **Application servers:** WebSphere and Tomcat