

Rahul Verma

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Career Summary

- 14+ years of experience in software development, maintenance and production support mainly on Banking and Telecom domain applications.
- Experience in Problem Management, Incidence Management, Business Continuity Management, Network Isolation and IT change management in development and production support environment.
- Strong Experience in relational database systems, Oracle, Mongo DB, Cassandra and DB2.
- Strong Programming skills in Core Java, Spring Core, Spring Boot, Spring Security, Spring Data, Node.js, React.js, JPA, JSF, JavaScript, JMS, Hibernate, PL/SQL, Linux Shell Scripting.
- Hands on experience on Apache Hadoop, Hive and Spark.
- Extensive exposure to messaging/middleware technologies – Apache Kafka, Apache Camel, Active MQ, IBM MQ Series.
- Hands on experience on CI/CD tools like Docker, Kubernetes and Jenkins.
- Comprehensive understanding of Agile methodology - Scrum and Kanban.
- Extensive Exposure to Unit Testing tools like Junit, Mockito, Selenium.
- Extensive Exposure to ETL tools like Informatica, Data Integrator, Business Objects XI, Desktop Intelligence.
- Extensive Exposure on defining, scheduling and monitoring jobs on Autosys.
- Hands on Experience on Version Control/Software Configuration tools like GitHub, Apache Subversion and AWS CodeCommit.
- Hands on experience on Windows, Linux and Mainframes platform.
- Strong Problem Solving and Debugging Skills with an ability to quickly learn and adapt to new technologies.
- Developing and maintaining strong client relationships through expectation management, building trust, mutual respect and delivering on commitments.
- A good team player with strong communication skills with an ability to work in team and individual contributor environments.
- Managing teams in business critical, highly pressurized environments and through strong situational leadership keeping them motivated and focused on delivery.

Career Details

Jan 2018 - Present UBS (Client of Wipro)(Gurgaon) Software Architect

Involved in the conceptual and functional architecture on Markit-EDM platform. Development of match and merge rules to finalise the golden copy of data. Proactively worked on migration of data applications to Hadoop, Hive and Spark. Digitalization efforts concentrated on transferring java applications to cloud space using google cloud and AWS.

Integrating Fixed Income, Derivatives, Equities, Reference market data from vendors like OCC, Bloomberg, Reuters, FTS, Telekurs, Direct Market Exchange Links. Automation of implementation of corporate banking regulations like Dodd Frank, FATCA, MIFID1, MIFID2, FIDLEG, GDPR and analysis of regulatory reports using Apache Spark and Hadoop Mapreduce.

Adapting new functionalities of Oracle 12c, usage of memory only data store to improve data retrieval performance. Designed and implemented scalable application APIs and components for information retrieval, indexing, analysis and extraction using Spring Boot, Spring Core, Spring Security, Spring Data, Node.js and react.js

Mar 2011 - Dec 2018 UBS (Client of Wipro)(Zurich, Singapore) Senior Technical Lead

Data IT GSD(Global Support Delivery) provides full L3, L2 support offering covering centralized database, feeds and distribution infrastructure for static and real time instrument/client data and associated applications across UBS. This data is used by a vast number of trading, risk and settlement systems.

There is a very strong emphasis on production stability of this very complex environment through strong, disciplined change and release management. This requires strong negotiation necessitating excellent relationships with CTB, RTB and Clients at all levels. I managed development, maintenance and production support for 5 critical applications in client data space named EROS, SAS, LEM, Bookmaster and PTX. This involved,

- Resolving more than 80 service now (SNOW) enhancement, production tickets per week of varied complexity ranging from medium to complex.

- Implementing Release of new components, emergency break fixes, standard data changes via scheduled and business approved weekly and monthly software releases.
- Handling Pre Release and post incidence calls.
- Executing Bank wide business continuity management tests in the form of full application suite failovers and failbacks which includes OS, DB, autosys and host.
- Infrastructure shut down and start of application suites during infra weekends.
- Regular meetings with development and business teams to plan upcoming releases and fixes.

Applications Overview

EROS- Enterprise Repository for Operations Static is UBS Warburg's strategic repository for counterparty and reference data for numerous systems at a global level. Core static data is required by operations to perform settlements and send out confirmations.

SAS- Strategic Alert SSI is a suite of applications which processes incoming SSI reference data in the form of Omgeo Alerts and client templates. These Alerts are pulled from the Omgeo Feed Handler database and staged in an oracle landing repository. An Informatica ETL layer implements validation and transformation of alert and template SSI data from landing repository and transmits it to EROS via MQ link for equities product, via PIL for fixed income, via webservice for FX, via flat files for US Equities.

Bookmaster– Book Hierarchy Data Store houses functional, legal, geographic hierarchies, Cost Centres and Books from 4 front office systems namely OBS, Geronimo, Jetpac and Stealth for publication to the integration framework for their potential use by the downstream systems. The aim is to streamline master data maintenance processes in the Risk and Finance functions of investment bank to ensure that there is a common hierarchy down to the trading book level.

LEM – Legal Entity Master enables the following,

Single Legal Entity Identifier

High Quality Legal Entity Data

Legal Entity Hierarchies and Risk Relationships

Accelerated On boarding

Centralized Attribute Mastering

Linkages Opportunities

Feb2007–March2011 Credit Suisse (Zurich) FX MP PPR (Foreign Exchange & PreciousMetal Position Keeping, PnL, Reconciliation) - Module Lead

FxMP PPR is the primary application used by Credit Suisse for collection of FX deals, delivering binding rates to feeders, computation of profit & loss, reconciliation, performing foreign currency balance adjustment and maintaining of FX trader and booking positions. FxMP is used by FX traders from business units without FX trading front systems(e.g. Light House, Finnacle FX) to see and maintain their positions. FxMP maintains the trader and booking positions (open, booked, pending) in order to reconcile them internally.

Main FxMP functionalities are -

- Maintains trader and booking positions for all business units.
- Provides Booking view (open, closed, pending). Provides files for reconciliation.
- Provides history for positions(end of day snapshots).
- Archives positions.
- Calculates profit & Loss and exposure for BU without front trading system.
- perform FX currency balance adjustments

Responsibilities:

- Java/J2EE implementation of Maintain Trader Position, Maintain Booking Position, Roll Over Trader Positions.
- Valuation of Positions(End of Day, End of Month).
- Foreign currency balance adjustments(FWSB).
- Code integration with EJBs through interface implementations.
- Involved in full Software development and Maintenance Life Cycle like System Analysis, High Level Design, Low Level Design, Design Implementation, Unit Testing.
- Trouble report resolution, Enhancement requests, documentation and debugging .Feasibility study of new features and designing the same. Analyzing and Fixing Bugs reported by test team.

Jan2005-Feb2007 Cost Allocation System for Circuits & Data (CAS2) Cable & Wireless, Bracknell UK(Onsite)

Client : Cable & Wireless, Bracknell, (UK)

Technology : Oracle SQL and PL/SQL, Core Java, Data Integrator

Platform : Solaris-10, Windows XP

Team Size : 4
Role : Module Leader, Designer

Description

Project CAS2 aims to reduce outpayments to British Telecom(BT) through identifying discrepancies between circuit details in the BT invoices and C&W blue circuit inventory. Discrepancies between the two data sets are identified via the Acuity software package. The proposed solution required thorough analysis of C&W principal inventory systems like MORI(Moriarty Ops Routing information), CPS(Customer Provisioning System), SAS/COMS and COPS(Circuit Order Production System).

The required Acuity fields were mapped to corresponding inventory fields and sample data extracts were produced using Oracle SQL and PL/SQL. The data in the sample extracts was verified and validated by the concerned business stakeholders. The final solution involved the development of batch jobs in data integrator to produce a csv file to be uploaded to Acuity.

Responsibilities

- Involved in full Software development and Maintenance Life Cycle like System Analysis, High Level Design, Low Level Design, Design Implementation, Unit Testing.
- Trouble report resolution, Enhancement requests, documentation and debugging
- Feasibility study of new features and designing the same
- Analyzing and Fixing Bugs reported by test team

July2003-Jan2005 Alcatel-Lucent NGN FSS (Wellington, Newzealand)

Client : Alcatel Lucent, New Zealand & Telecom New Zealand
Technology : Oracle SQL and PL/SQL, Core Java, AXIOSS-Axiom Enterprise Architect, Rational Rose, CVS, Eclipse
Platform : Solaris-10, Windows XP
Team Size : 8
Role : Senior OSS Developer.

Description

The NGN FSS is the service delivery platform being developed by Alcatel. It is based on the AXiOSS product by Axiom Systems. NGN FSS will receive provisioning requests from the Order Entry System and executes work flow in order to deliver the requested products. The scope of work for delivery of the project covers the following aspects of the fulfilment system:

- The activation, modification, moving and relinquishing of Multi Service Core products.
- Full inventory management for DSL equipment, Partial inventory management for data equipment.
- Service Management for services that run over DSL and data equipment, Communication tools to manage the DSL and data equipment.
- Work flow management for the service provisioning life cycle.

FSS consists of the AXiOSS product and specifically produced software that Alcatel has developed or will develop to fill in the gaps left by the AXiOSS tool. AXiOSS framework enables the development of work flows and adaptors that are required to support Telecom New Zealand requirements. As a part of the 6 member team I worked on enhancement and change requests under FSS release 2.4 and 2.6. These include the development of business logic related to DSL/Ethernet port allocation on isams, a high speed access node developed by alcatel. The Alcatel-Lucent 7302 Intelligent Services Access Manager (ISAM) is the industry's first IP-based platform capable of delivering 100% triple-play services, supporting the exploding demand for new and bandwidth-hungry applications, such as video on demand (VoD), HDTV and broadcast TV services for all subscribers simultaneously.

As service providers increase the coverage of their broadband access network, using remote deployments, new DSL technologies (e.g., ADSL2 plus and VDSL2) or deep fibre deployment (e.g., FTTn and PON), the Alcatel-Lucent 7302 ISAM offers service providers the flexibility of deploying all their services to each customer regardless of their access technology.

The 2.6 release included the development of commercial point to point backhaul module that provides connectivity from the A-End EAS Port (connected to the ISAM Uplink port) to the Z-End EAS Port. The A-End Port may be located in any Locale in the TNZ Network, and the Z-End port is similarly unconstrained. Two variants exist; Intra REN and Inter REN. A single manually provisioned VLL(virtual leased line) service is required for Commercial P2P Backhaul connectivity. The VLL will be provisioned out side of FSS. The Inter-REN service requires special consideration at the REN-MSB boundary. This boundary interface is 802.1AD. The 7750 performs the role of the PE (Provider Edge) to the MSC network (MPLS). Activation of this device will be supported via a manual process. The Commercial P2P Backhaul solution included the development of business logic for creating, modifying and relinquishing the backhaul and also the development of data load packages for RCMS(right click methods) in axioSS system inventory.

Responsibilities

- Involved in full Software development and Maintenance Life Cycle like System Analysis, High Level Design, Low Level Design, Design Implementation, Unit Testing.
- Trouble report resolution, Enhancement requests, documentation and debugging

- Testing, Reporting and Implementation.
- Feasibility study of new features and designing the same
- Analyzing and Fixing Bugs reported by the test team.

Education

B.E. (Computer Science & Engineering) (K.N. Modi Institute of Engineering & Technology, Modinagar, U.P.)

Trainings Attended

1. Advanced Unix Internals
2. J2EE
- 3.SDH and SONET, TCP/IP, Telecom OSS & BSS
- 4.Oracle-Metasolv ASAP
- 5.Oracle PL/SQL Fundamentals & Advanced
- 6.XML
- 7.UML & OOAD
- 8.Advanced C++