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Master in Computer science (NIT, Jamshedpur, India)

Employment Summary

Deloitte Consulting (1 year) **Deloitte.**
Manager, Analytics and Information Management

CREDIT SUISSE – Singapore (14 years) 
Team Lead, APAC

SATYAM COMPUTERS - India (2 years)
Project Lead, Senior System Analyst

CMC Ltd - India (3 years)
Team Member, senior software Engineer

Core Competencies:

- Big Data/Data Analytics
- Enterprise Applications Integration(EAI)
- AWS Cloud
- Investment Banking
- Digital Banking
- Private Banking (Wealth Management)
- Non-Life Insurance
- IT Delivery Management
- IT Application Support Management
- Product Management
- People Management
- Stakeholder Management
- Vendor Management

PROFILE SUMMARY:

20 Years of total experience in IT Industry, currently working with Deloitte Consulting as a manager and an experienced lead with proficiency in building and managing complex systems in very high stress global work environments. Provide technical leadership and expertise both internally externally. Articulate technology and product positioning to both business and technical users. Evaluate current client environment recommend best practice solutions. Develop system requirements, processes, and design specs based on organizational needs.

Since 3 years working in Big Data strategic planning,technology roadmap, Design, deployment ,production support and mentor team for cutting edge technology competitiveness such as Hadoop, Sqoop, Flume, Hive, PIG, Impala, Kafka, Oozie, big data analytics .Proficient in NoSQL databases like Hbase and MongoDB. Design and build scalable infrastructure and platform to collect and process very large amounts of data (structured and unstructured), including streaming real-time data. Hadoop cluster Administration (Cloudera) and configuring security (Kerberos/TLS). Design and build scalable infrastructure and platform to collect and process very large amounts of data (structured and unstructured), including streaming real-time data. Design and Implement Cloud solutions with Amazon Web Services (AWS). Eexpert-level knowledge of Amazon EC2, S3, Simple DB, RDS, Elastic Load Balancing, SQS, and other services in the AWS cloud infrastructure. Experience with AWS components such as EC2,S3,EBS,Security Groups,Route 53,VPC,Elastic Cache, RDS , Dynamo DB , Reshift. Demonstrate the capacity to deploy complex infrastructure using AWS CLI.

Worked largely on various deliverables, client interactions with various support responsibilities for mission critical applications supports to various applications across Investment & Private Banking – IT(Credit Suisse) . Looking after all Front Office to Back Office messaging architecture and various in-house developed products includes design, implementation and support in dynamic production environments .Responsible for managing Disaster Recovery and Planning for bi-annual/annual HA/DR/QMW.

Excellent track record of managing team and systems in the banking industry for the last 16 years based in Singapore and an ITIL V3 Foundation Certified.

System skills:

Hadoop Technologies: HDFS, Flume, Kafka, Sqoop, Hive, Impala, Hbase, MongoDB, Zookeeper, Oozie, Python, Cloudera Manager and Yarn.

AWS products (EC2, S3, Simple DB, RDS, Dynamo DB, Redshift, VPC Elastic Load Balancing).

IBM Websphere Message Broker (WMB)

IBM WebSphere MQ 7.x /6.x/5.x (WMQ), WebSphere Transformation Extender (WTX)

TIBCO Enterprise Messaging Service, Code Street, Nastel, Splunk

Informatica 8x/9x, SQL Loader, Data Stage

Oracle 7x/8x/9x/10G (DBA, SQL, PL/SQL), MS-SQL Server

UNIX (Solaris, HP, IBM AIX), RHEL 5/6/7, WinNT, Win2000,

SWIFT, JMS, XML, XSLT

ER-Win, Clear Case, SVN, GIT, JIRA, Control M

Professional Experience:

Deloitte Consulting

Jan 2018 – till date

Manager (Senior Solution Architect), Analytics and Information Management.

Key-clients:

1. United Overseas Bank (Digital Banking)

Anticipate and Converse (Digital Bank):

The A&C work stream covers new functionality to be provided namely that of 1) Personal Financial Management (Meniga-ADV) and 2) Intelligent Conversations (Personetics-ICV) for the UOB Digital Bank. Personal Financial Management (ADV)- Enabled by Meniga, a tool used for categorizing customer financial transactions, setting up/maintaining customer savings goals and budgets. Intelligent Conversation (ICV)-Leveraging Personetics, Intelligent conversation guides customers on their next best action based on last mile contextual sharpening of contents.

Main duties include the following:

- Accountability for overall delivery of A&C Singapore implementations (SIT, UAT, PROD).
- Responsible for timely and successful execution of key milestones (level 0,1,2)
- Data Correctness - Data Sources (files extracted from host). Perform data validations of the transaction files received from RBK, Cardlink, BWC, PIB and ATM hosts.
- Provide recommendations on roadblock items and collectively agree way forward.
- Provide guidance on potential impact to key decisions or changes being proposed.
- Implemented SQL Server Integration Services (SSISDB & SSIS Catalog) .
- Establish and architect EDAG extraction programs in Meniga and Personetics as agreed.
- Build relationship with several teams across bank.

Real-time Data Hub (RTDH):

RTDH stores data from the core banking system and provide a scalable solution to increasing demand for customer data in real time basis without putting a resource constraint on Core Banking Platform .In one of the Anticipate and Converse scenario, UOB Digital Banking app would need to make insights on latest Customer's transaction seconds after it is made. In order to support such capabilities a POC been established, RTDH would need a real time messaging platform that would be able to consume data from various real time messaging sources and redirect them to the choice of physical storage or database for consumption. This translates to an additional technology stack within RTDH that primarily deals with managing the flow of data in real-time basis (a Real-time stream processing platform).

This included the following:

- Review of existing Business Architecture as problem statement and Technology Capabilities as functional objective of RTDH.

- Map the current Business Architecture to RTDH's implementation Document design choices for System Architecture along with Data Hub Developers to enable needed Technology Capabilities of RTDH such as: real time ingestion.
- Ownership of Data and System Architecture processes to handle new requirements. In many of UOB Digital Banking downstream scenarios, the need for data would come in real time basis.
- POC has been conducted using Kafka for real-time data, Python Batch process for Batch Data and MongoDB as NoSQL data store.

2. Tenaga Nasional Berhad (TNB), Malaysia

The work done during the Production Hadoop Cluster Deployment engagement as a Cloudera partner, which was performed onsite at TNB office in KL, Malaysia. Maria DB 5.5 is being used as the backing database for the Cloudera cluster. Cloudera Manager, Cloudera Navigator, Hive, Oozie, Hue, and Sentry are configured to use this database.

This included the following:

- Review of the CDH deployment architecture.
- Review of installation prerequisites and best practices.
- Installation of Cloudera Manager and CDH services such as Zookeeper, HDFS, Hue, Hive, Impala, Spark, Sqoop, Oozie, Yarn.
- CDH cluster configuration and tuning.

3. Bank of Julius Baers – Core banking platform evaluation (Wealth management)

Reviewing Operational Data Source system for migrating the existing Architecture with Hadoop systems.

Credit Suisse, Singapore

Jun 2003 – Dec 2017

Team Lead, APAC

Solution Architect Analytics:

Design Big Data solutions for traditional enterprise businesses with Apache Hadoop components like HDFS, Flume, Kafka, Sqoop, Hive, Impala, Hbase, MongoDB, Zookeeper, Oozie, Python, Spark and Yarn .Strong exposure to RHEL Linux environments. Hands on experience working with Hadoop echo system. Good understanding of Hadoop Architecture and underlying Hadoop framework including Storage Management. Experience in analysing data using Hive QL and Pig. Worked on backend using Scala and Spark to perform several aggregation logics. Good exposure on AWS-Big Data integrations.

Main duties include the following:

- Develop system requirements, processes, and design specs based on organizational needs.
- Spearheading all aspects of development and support for QA / UAT / PROD environments with a team for various Big Data platform.
- Designing and developing prototypes, POCs for validation and estimation of effort and line of approach during the conceptualization phase.
- Rendering services as an Architect to design framework, mentor junior developers and manage their technical output (in the form of code / design reviews).
- Involved in start to end process of hadoop cluster setup where in installation, configuration and monitoring the Hadoop Cluster.
- Responsible for Cluster maintenance, commissioning and decommissioning Data nodes, Cluster Monitoring, troubleshooting, Manage and review data backups, Manage & review Hadoop log files.
- Monitoring systems and services, architecture design and implementation of hadoop deployment, configuration management, backup, and disaster recovery systems and procedures.
- Configured various property files like core-site.xml, hdfs-site.xml, mapred-site.xml based upon the job requirement. Importing and exporting data into HDFS using Sqoop.
- Experienced in define being job flows with Oozie. Loading log data directly into HDFS using Flume and reviewing Hadoop log files.
- Worked with systems engineering team to plan and deploy new hadoop environments and expand hadoop clusters. Performance and capacity planning.
- Involved in designing and deploying a multitude applications utilizing almost all of the AWS stacks(including EC2,Route53,S3,RDS,Dynamo DB,SNS,SQS,IAM) focusing on high-availability , fault tolerance, and auto scaling

- Migrating the Middleware infrastructures (IBM MQ Series, Message Broker), and Oracle DB to AWS platforms.
- Created AWS Route53 to route traffic between different regions.
- Created S3 backups using versioning enable and moved objects to Amazon Glacier for archiving purpose
- Created load balancers (ELB) and used Route53 with failover and latency options for HA and FT.

Enterprise Applications Integration (EAI)

Solution Architect:

Credit Suisse's Enterprise Applications Integration is the standard message bus for front to back office messaging across all divisions. EAI was designed and built in collaboration with all of the bank's applications and is supported in all regions. Using EAI platforms ensures a consistent level of messaging support throughout the bank. It provides basic and extended message bus functionality by fully integrating best of breed messaging solutions. It modernizes, consolidates and addresses the limitations of the bank's legacy messaging solutions by providing:

- ✓ A truly global message bus – send and receive to/from anywhere
- ✓ High availability ,Scalable and Secure communications
- ✓ Performance levels that meet the demands for front to back office messaging
- ✓ Specializations for B2B complex transformations, secure file transfer, FOBICA, etc.

Main duties include the following:

- Significant contribution during design and driving One Bank Messaging Bus during early phase of implementation.
- Working closely with the Enterprise Integration architects, business analysts, and application designers to define the application integration requirements and structure.
- Managing deployment of new WMB (OMB) message flows for applications to be migrated and new integrations.
- Coordinate the analysis, design, and test and build effort for all components.
- Provide new hire training and skills transfer.
- Financial and document format message transformations (any-to-any text and binary, standards: SWIFT (MT/MX), SEPA, FIX, FpML, CREST, documents: PDF, Word, Excel)
- Message routing and connectivity to/from gateways and financial networks: FMP, Xpedit (fax), Accuroute (fax and e-mail), SMTP, SIAC, DTCC, Traiana.
- Implemented using IB architecture standards B2B Message Broker (WMB,WMQ,WTX and Informatica B2B DT transformation services,Linux,Oracle) , B2B Broker supports business specific messaging scenarios: trade orders, payments, confirmations, settlements, corporate action notifications etc.

Core Technologies

IBM Integration Bus, IBM Websphere MQ (WMQ), Websphere Message Broker (WMB) hosted on Linux.
TIBCO EMS (Enterprise Message Service), Informatica DT, Websphere Extended Transformer,
Oracle, Code Street, Nastel, Splunk.

Satyam Computer Services (GE Plastics)

Dec'02 – May'03

Project Name: DataWare Housing, General Electric Plastics

CMC Ltd (TCS)

Jun'98 – Nov'02

Project Name: GENISYS (General Insurance System)