**RAMESH KALIAPERUMAL**

**Contact: +65 94876507,** [rampol888@gmail.com](mailto:rampol888@gmail.com)

**Current Employer:** **BlackRock Advisors – Singapore**

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| --- | --- |
| **2+ Years** | **AWS Cloud Service Experience.** |
| **5 Years** | **NoSQL Cassandra Administration Experience.** |
| **9 Years** | **Sybase, MS SQL Server, Sybase IQ Administration** |

**Summary:**

Team-oriented Cloud Engineer with **2+ years of experience on Cloud Administration and Services,** managing server infrastructure and datacentre operations across multiple platform (Unix, Linux, Windows). Architect in planning, implementation and growth of our infrastructure in AMAZON web services. Expert-level knowledge of Amazon EC2, S3, RDS, Elasitic Load Balancing, SQS and other services in the AWS Cloud such as IaaS, PAAS and SaaS. Deep experience with AWS components such as EC2, S3, Elastic IPs, EBS, Security Groups, Route 53, VPC, Elasticcache, Storage Gateway, Transit Gateway and CloudFormation. Experience in Administration of Sybase, MS SQL server and MySQL in AWS cloud platform. RDS (DBaaS) offerings. Amazon AWS services include POC Dev environment provisioning, implementation, migration and ongoing administration and monitoring support for Microsoft SQL Server, MySQL, Sybase, Oracle.

Determined, energetic and diligent professional with **over 2+ year** of AWS cloud services experience, over **5 years** of administration experience on Nosql Cassandra domain large setup and **9 Years** of Sybase and SQL Server Administration seeking an opportunity to utilize my talents in a professional capacity, employing comprehensive knowledge and vast professional experience with extensive experience, designing, coding, testing and supporting.

Ability to design and manage cloud-based infrastructure to deliver the required Performance, security and availability requirements. Ability to understand Migration requirements and bridge the gaps. Expertise in architecture blueprints and detailed documentation.

**blackrock**

**July 2010 – Current – Vice President - AWS Cloud Services/ Cassandra / Sybase**

**AWS Cloud Administration**

Environment: AWS (EC2, VPC, ELB, S3, EBS, EFS, RDS, Route 53, ELB, Cloud Watch, CloudFormation, DMS, AWS Autoscaling, AWS CLI, GIT, CVS, SVN, Jira, DataPipeline, Athena, SNS, QuickSight Unix/Linux, Shell scripting, chef, **Sybase, SQL Server, NoSQL Cassandra**)

**AWS Project Highlights**:

1. Architect transit gateway design and implemented on a Hybrid Environment -associated, propagated 6 environment connectivity according to the requirement.
2. Designed and migrated MS SQL Server, MySQL, Oracle and Sybase (on-going) migration to AWS Cloud successfully.
3. Good understanding of Transit gateway, VPC, VPN, subnet, NACLs, VPG, CGW, TGW Routes association, propagation.
4. Ability to design and manage cloud-based infrastructure to deliver the required performance, security and availability requirements.
5. Strategically designed and used Spot instances for batch jobs.
6. Ability to understand Migration requirements and bridge the gaps.
7. Worked on Data pipeline, SNS, Athena, AWS QuickSight and Glue for data visualization and useful dashboard for the higher Management.
8. Built **S3**buckets and managed policies for S3 buckets and used **S3 bucket**and **Glacier**for storage and backup on **AWS**- Implemented private access to S3 bucket from a private instance.
9. Built a **VPC,** Transit gateway established the site-to- site VPN connection between **DataCenter**and **AWS**.
10. Configured **AWS Multi Factor Authentication**in**IAM**to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
11. Initiating alarms in **CloudWatch**service for monitoring the server's performance, **CPU Utilization**, disk usage etc. to take recommended actions for better performance.
12. Requirement to migrate AWS RDS Cloud from scratch MySQL, SQL Server, Oracle instances and Majority of Sybase Servers with critical Webserver hosting. This is an ongoing project with the migration of Sybase Data servers to AWS cloud (IaaS). Used AWS DMS and AWS SCT to migrate to Target from the Source Dataserver.
13. Requirement to ship HDFS data file from on premise to AWS cloud instance. This is accomplished using AWS Storage file Gateway. Least Privileged policy for the s3 bucket and users’ access are controlled by Roles and defined IAM role for Cross-account restricted access. Connectivity using Direct Connect.
14. Requirement to create a failover strategy for a critical CRM application. Used AWS Route 53 🡪 ELB🡪 S3 bucket to create the failover strategies.
15. Requirement to move from on premise to AWS RDS for MySQL, SQL Server and Oracle database and maintain Sybase dataserver in the form of Hybrid cloud platform.
16. Hands on Experience using DMS and AWS SCT
17. Experience with infrastructure definition tools such as Terraform,Cloud Formation and Docker, and with YAML/JSON deployment templates.
18. Testing cycle in-progress to migrate NoSQL Cassandra & Solr database to AWS Dynomodb.

**AWS Hands on:**

* AWS Project highlight RDS and EC2 instance migration and administration on Sybase, SQL Server, MySQL and Oracle (POC). Hybrid Environment. Strong practical Linux and Windows-based systems administration skills in a Cloud or Virtualized environment.
* Worked closely with Data Architect team and contributed strategies for Databases migration, webserver hosting and IAM architecture. Used Amazon Route53, ELB, VPC, VPN, EC2 with Autoscaling, RDS, DMS, Storage Gateway, CloudFormation, S3 bucket access from Private EC2 instance, Migration strategies from scratch.
* Architect full project life cycle for migration of SQL Server, MySQL, Oracle and Sybase to AWS Cloud (On-going Project).
* In depth Knowledge of **AWS**cloud service like **Compute, Network, Storage**and**Identity & access management.**
* Hands-on Experience in configuration of Network architecture on AWS with **VPC, Subnets, Internet gateway, NAT, Route table**.
* HDFS Data transmission between On-premise to AWS Cloud, Webserver hosting, Webserver failover strategies and load balancing using ELB, Route53.
* Create POC and Architecture for upcoming project.
* Migrated development/Production database to AWS RDS MySQL, SQL Server Oracle and Sybase.
* Setup and Managing Linux and Windows servers on Amazon using EC2, EBS, ELB, Security Groups, RDS and IAM.
* AWS Database migration service (DMS) used to migrate data from S3 to MySQL
* Used different technic of migration that involved migrating database and object from S3 storage to Ec2 database instance and vice versa.
* Migrated MySQL database and Web Component to AWS (On Premise to EC2 Instance).
* Webserver hosting with autoscaling and CloudFront distribution for better performance.
* DNS Traffic management using Amazon Route53, Used Amazon Rout53 and designed Route53 Failover strategies for a critical webserver.
* Setup/Managing CDN on Amazon CloudFront to improve site.
* CloudFront Distribution: Create/Managing buckets on S3 and store db and logs backup, upload images for CDN Serve
* Create SNS notifications and assign ARN to S3 for object loss notifications
* Good understanding of ELB, security groups, NACL, NAT and Route 53.

**Apache Cassandra Administration – BlackRock**

* Bigdata technology consultant, committed to maintaining cutting edge technical skills and up-to-data industry knowledge. Experienced Cassandra Engineer (5 + years Exp as Cassandra Admin, working on DSE Search -Solr, Apache Cassandra Installation and upgradations.
* Overall with over 9Years of experience as Sybase DBA and SQL Server DBA that includes Cassandra Admin and AWS Cloud Services experience.
* Working as Apache Cassandra Admin - Architect, Managing multiple clusters with 100's of nodes in Production, Pre-Prod and Development.
* 24\*7 support to the Prod Environment
* Knowledge on bootstrapping, removing, replicating the nodes in CAssandra and Solr clusters
* Experience in upgrading the existing cluster to latest releases.
* Migrated 80TB of data from one datacenter to another Data center.
* Experienced Apache Cassandra 2.13c Admin. Hands on Experience in AWS, sqoop, python, Cassandra, Hadoop distribution Splunk, Cloudwatch, Solr. Experienced Apache Cassandra Admin, Administrating and maintaining over 100’s of Nodes Prod, Pre-Prod, Development across multiple datacenters.
* Building & scheduling daily Cassandra health reports using built-in wrapper scripts.
* Automating multiple Cassandra activities like repairs, daily backup, Capacity management etc using shell scrips and cron jobs, 24\*7 support to the prod environments
* Setting up cluster across Datacentres, Load Balancing, security and governance solutions.
* Involved in supporting and setting up multiple production Cassandra Clusters

**Major Cassandra Projects at BlackRock**

1. **Aladdin data layer 4.0 migration:**

The goal of this project includes migrate repositories from one cluster to another cluster

* Introducing more compartmentalization between clients and applications to reduce contagion risk.
* Increasing replication factors in both Cassandra and Solr to reduce the probability of outage especially during planned maintenance.
* Making configuration changes to Cassandra and Solr to make future cluster scaling easier and less risky.
* Task involved co-ordination with the application owners discuss and finalize the date for the migration
* Migrate the same on -pre-prod environment and record the processes before moving to the production environment

1. Moving Cassandra nodes to a new DR datacenter.
2. Removing Cassandra Nodes from Old datacenter
3. Adding new nodes/DC to Cassandra cluster.
4. Cassandra ADL security Authentication.
5. Few Automation Project accomplished.

**Sybase, Sybase IQ & MS SQL Server Database Administration -BlackRock**

* **Sybase ASE administration** (11.5, 12.5, 15, 15.0.2, 15.0.3,15.7,16.0) Sybase Replication Server administration, Sybase IQ 12.6, 12.7 and SQL Server 2000, 2005, experience for various kinds of applications.
* Played lead role in migrating Sybase database server from solaris to Linux platform on MSA replication environment by creating a vanilla ASE , RSM and repserver build and setting up MSA replication.
* Sucessfully lead and accomplished sybase Version upgrade from 12.X to 15.X and later from !5.X to 16.X. This involveds bother in-place upgrade and on a fresh new environment.
* Specialized in **Sybase, Sybase IQ, Sybase replication server (MSA), MS SQL Server.**
* Sybase DBA providing daily database support and administration including data replication, security, capacity planning and backup/recovery.
* Accomplished demand side improvement on number of critical Production in-terms if reducing High database server utilization, this was accomplished by analyzing and performance tuning.
* Managed issues with respect to scalability, reliability and performance optimization.
* Analysis, performance tuning and support of Sybase SQL and stored procedures
* Created and maintained statistical reports on baseline performance and enhancements
* Conducted knowledge transfer for new and onsite DBA members.
* Extensive general IT skills covering Unix and various programming languages/scripting
* Specialized in all aspects of database design and programming with Sybase, Replication server and Sybase IQ.
* Extensively worked on MSA replication setup for various clients. Current working environment has two way and three way MSA replication and few single Primary replicating over 40 location.
* Worked on primary database recovery and Primary to DR sync on MSA Environment.
* Failover stratigies on MSA replication environment. Failover Stratigey when Primary is not available or case when DR is not available.
* Experience in Engine Resource Distribution- Execution Class attributes.
* Expert in using Sybmigrate Utility, bcp, reverse engineering.
* Extensevely involed in Sybase ASE, RSM, Repserver Build and setting up two way MSA replication on Sybase in solaries and Linux environment.
* Having very good experience working for leading financial domain that includes **UBS London, BankofAmerica Chicago, BlackRock Singapore**
* Strong communication and self-management skills, will survive in complex and challenging environments.
* Experience in leading team of DBA’s and performed escalation support across all DB platforms.
* Extensively worked on MSA replication setup for various clients. Current working environment has two way and three way MSA replication and few single Primary replicating over 40 location.
* Failover stratigies on MSA replication environment.Failover Stratigey when Primary is not available or case when DR is not available.

**Projects Highlights SYBASE Database Administration**

* Work with application development staff to develop database architectures, coding standards, and quality assurance policies and procedures.
* Strategy & Planning: Assess and develop long-term strategic goals for production databases in conjunction with data owners and department managers.
* Create models for new database development and/or changes to existing ones.
* Lead in migrating Sybase database server from solaris to Linux platform on MSA replication environment by creating a vanilla ASE , RSM and repserver build and setting up MSA replication.
* Lead Migration Preperation, share to the team in the form of Power point presentatiion.
* Strategy & Planning: Assess and strategy in-terms of project duration resorce management on project.
* Develop, implement, and maintain change control and testing processes for modifications to databases.
* Create models for new database development and/or changes to existing ones.
* Monitor database system details within the database, including stored procedures and execution time, and implement efficiency improvements.
* Failover stratigies on MSA replication environment. Failover Stratigey when Primary is not available or case when DR is not available.
* Experience with capital markets & banking applications and database implementation, operations and project management for Bank of America and AG Edwards-(Wells Fargo)
* Experience in application development middleware APIs, client-server design, OOPS, UNIX/Linux, Windows NT, networking essentials and shell scripting.
* Designing and building SAP Sybase IQ multiplex and database migrations across platforms, including writing queries and performance tuning.

**SQL Server Database Administration**

* Ensure correct installation, configuration of core infrastructure systems using CIS (Center for Internet Security) Standards.
* Support and maintenance of on-prem SQL servers & databases
* Providing SQL Server implementation changes requested from Application team
* Created and migrated partially contained databases with in Always On Availability Groups
* Setup and maintained Log Shipping between various environments.
* Worked with installation, configuration and creation of SSRS
* Ensure all database servers are backed up in a way that meets the business's Recovery Point Objectives (RPO)
* Test backups to ensure we can meet the business' Recovery Time Objectives (RTO)
* Troubleshoot SQL Server service outages as they occur, including after-hours and weekends
* Configure SQL Server monitoring utilities to minimize false alarms
* As new systems are brought in-house, choose whether to use clustering, log shipping, mirroring, Windows Azure, or other technologies
* Install and configure new SQL Servers
* Deploy database change scripts provided by third party vendors
* When performance issues arise, determine the most effective way to increase performance including hardware purchases,
* server configuration changes, or index/query changes
* Document the company's database environment.

**SKILLS**

* Apache Cassandra 2.13 Admin
* Ansible Automation
* Splunk, AWS, Cloudwatch, Shell scripts,python scripting.
* AWS (EC2, VPC, ELB, S3, EBS, EFS, RDS, Route 53, ELB, Cloud Watch, CloudFormation, DMS, AWS Autoscaling, AWS CLI)
* Datastax Cassandra Admin,DSE Search-Solr, Nodetool, linux,NOsql,Spark,SPutty,Python,AWS,
* NoSQL Database- Cassandra
* RDBMS - Sybase
* Sybase DBA - Sybase Replication SME, Sybase IQ , APT Workbench
* Data modeling - Erwin Tool
* OS -Windows, UNIX, Linux, Hadoop-HDFS
* Cloud - AWS(Amazon Web Services)
* BigData - Pig, Hive, Spark, splunk
* Hortoon works - Hadoop,Hive
* Pivotal – GreenPlum
* Sybase Central, SQLAdvantage, Putty, CRT, NSR, Maximo, Foglight, Perigrine, DBArtisian, DbVisualizer, SQLBack – Trac
* Environment: Unix, Sun Solaris, AIX, LPAR, HP-UX 11/10, Red Hat Linux, Ubunto Linux NCR MP-RAS 3.02, SCO 5, SCO UnixWare. NCR 3400, NCR 4300 World Mark, HP-9000 D-Class and K-Class and Intel based Unix servers, single and multi-processor-based, NCR life keeperbased RAID subsystems. IBM eServer Power 5 Processor, IBM X-Series 236, RAID 10, Windows 98/2000, Windows NT

**EDUCATION AND CERTIFICATIONS**

* **Bachelor of Science** (B.Sc) in Mathematics from Bharathidasan University.
* Certification of coursework in **Relational Database Management System** (Oracle).
* Certification in Unix & C
* Diploma in RDBMS.
* **Sybase Performance** and tuning training for **ASE 12.5-Sybase** Products Middle-East
* **Sybase Replication Server** training for ASE **12.5-Sybase** Products Middle-East

**BofABank of America, Chicago(USA) June 09 – July 10**

**Senior Sybase DBA**

**Envoronment: Sybase ASE 12.5, 15.0.2, 15.0.3, Sybase Replication Server 12.6, Sybase IQ 12.6, 12.7 on Solaries 5.10 Unix Fujitsu Platform, AutoSys, Putty, CRT, Foglight, Maximo, NSR, Clear Quest, Peregrine.**

**Database Size: 75GB – Terabyte Size Databases.**

Primary DBA Assisting Bank of America Front and Back office on Sybase ASE and replication server support,MSA Replication , as a Primary DBA within a largescale database environment and a complex replication Environment within a business critical support function. Ability to manage complex workloads, working on urgent and highly critical NSR & RFC tickets and solving the issues in a timely manner. Raising Maximo ticket(RFC) for Sev 3, Sev 2 ticket for critical Production issues and working on it. Supporting all environments Production,Dev,UAT,QA . Some urgent tickets involves replication trouble shooting (complex Replication), Performance tunning, locklogin,permissions, Database performance issues, Database refresh, replication issues, database refresh on replication environment, DR environment Sync, participating in DR excercise, Database creation for Testing environmant, Device initilization ,Database resize, Server Build & migration**.**

**Sybase SME**

* Analysis, performance tuning and support of Sybase SQL and stored procedures
* Design, implementation, and support of numerous FACETS data environments using SQL extract, load, and/or replication
* Sybase DBA providing daily database support and administration including data replication, security, capacity planning and backup/recovery

Design and delivery of enterprise-wide technology solutions for Sybase clients in mission-critical, fast-paced environments applications support, heterogeneous data connectivity/administration, replication, client/server code development, product installation, configuration, tuning, and problem determination

* Solid work experience as a Sybase specialist, up to and including Sybase ASE 15 and Sybase Replication Server 12.6, MSA Replication.
* Working on Critical Production Sev1, Sev2, Sev3 tickets on priority basis.
* Involved in handling weekend Production RFC tickets.
* Ensuring support issues are dealt with in a timely manner.
* Monitoring alert logs through foglight, to check Database health and corruption.
* TroubleShoot Performance issues, Support users on Query Optimization , Producton release on replication environment.
* Primary Replication Server Database Recovery, Replication definition, subscription, function string, alter replication definition **,** Monotoring Replication latency, Stable Queue, set autocorrection.
* Setting up Warmstandby, Setting up MSA replication table level and database level.
* Written Unix shell scripts to find total latency, stable queu size for all replicated databases.
* Synchronizing the databases both on primary as well as replicate data server.
* Good Experience in Server Build and successfully completed three servers build and migrated from one host to another host.
* Upgrade from 12.5 to 15.x.
* Scp, split utilities.
* Managing the database, Monitoring memory, Disk I/O, user connections, locks etc.
* Monitoring Space usage for critical Production Databases and resize the production database (includes WarmStandby Replication databases), disk initialization.
* Take advance precaution on disk partition storage issues by working with UNIX team and make it sure that enough space is available for database resize.
* Server builds/upgrades/migrations
* Fragmentation, statement cache, Cache Management.
* Given oncall support for Bank of America, both Prmary and Secondary oncall.

**Sybase IQ**

* Worked on Sybase IQ single server and multiplex server environment.
* Installation of Sybase IQ and IQ OpenClient (OCS)
* Starting IQ Demo Database, utilty\_db.
* Understood the use of **SybaseIQ** Monitor facilities and other utilities.
* Effectively administer SybaseIQ single server and Multiplex configuration
* Load data from flat files and load data from Sybase ASE to Sybase IQ tables
* Backup and restore a **SybaseIQ** database..
* Familier Using dbisqlc, IQ database creation , temporary store, create IQ configuration file.
* Estimate space for Indexspace&indexset.
* Worked on Sybase IQ indexing techiniques , low cardinality indexes for de-normalized tables, Bit-wise indexes, Get query adviser output..
* IQ commands familier sp\_IQEstSpace, sp\_IQEstsegments, sp\_IQshowBadlogins, sp\_IQShowindexsegments, sp\_IQshowindexspaces, sp\_IQShowlogins, sp\_IQshowusers.

**ericsson_logo Ericsson, Dallas, Texas(USA) Feb 09 – June 09**

**Senior Sybase DBA**

**Environment: Sybase ASE 12.5.2 Linux Ubuntu 8.1 on SunOS 5.9 Platform & AIX DbVisualizer, SQL Advantage, Putty, Sybase Central.**

**Database Size: 103GB**

Leading supplier in Telecommunications: Short term project , Just analyze the bottleneck and give performance tunning guidelines and data migration sucessfully fixed the problems.

* Analyse and tune database performance problems.
* Calculate current memory availability and configure Sybase memory accordingly, benchmark current memory availability and increase max memory based on the requirement, this includes configuring SHMMAX(shared memory) memory.
* Collect reports thro MDA table that reflects table usage, top most queries based on Logicial IO, CPU time and long running queries. Identify contention table
* Recomendation involved changing cache policy, update statistics, configuration changes & create separate cache for hot objects.
* Analyse and find fragmented tables, solution to defragment those heavily fragmented tables, used reorg time option to defragment heavily fragmented tables.
* Benchmark ULC(User Log cache) and take necessary steps.
* Table partition, Object Placement and Memory calculation and allocation.
* Install and Configure MDA table.
* SQL Query Optimization.
* Create database, device on the new node.
* Data Migration from production to another node.
* Setting up a Development Server Environment.

** Schering Plough, Kenilworth, New Jersy(USA) May- 08 - Jan 09**

**Senior Sybase DBA**

**Global Health Care**

**Environment: Sybase ASE 12.5.2 Compaq Tru-64 UNIX server, Sybase ASE 15.0.3 on SUSE Linux platform, SQL Advantage, Putty, Sybase Central.**

**Database Size: 5GB-192GB**

The Schering Plough Research Institute’s genomic data is currently resides on a **Compaq Tru-64 UNIX server running Sybase 12.5.2**. This server is fully depreciated and needs to be replaced due to the high maintenance costs and the age of the hardware. The Sybase databases are to be migrated to a **SUSE Linux platform running Sybase 15.0.3**. Since this task is of a maintenance nature, it was suggested that the migration project be outsourced.

* Data migration for 54 databases from Source Sybase 12.5.2 Unix Server to Sybase 15.0.3 SUSE Linux. Database Size starting from 5 to 192GB.
* Database device creation, database creation on 15.0.3.
* Worked on Sybase 15.x new optimization logic and high availability.
* Create scripts for Data migration and execute scripts for data migration
* Migrated the database using Sybmigrate utility.
* Prepared script for reverse-engineer the security (login, password and roles) on the ASE 12.5 server and created SQL script to be applied in the new ASE 15.0.3.
* Verify data migration by comparing the object counts, index counts and row counts between the source and the target server. Also,by taking diff report using sybmigrate utility.
* Migrated successfully using Sybmigrate utility and did reverse engineering for some objects through DDL gen and partly using bcp utility.
* Migration process involves configuration changes, configuring sybmigratedb, Sybmigrate using resource file mode.
* Performed BCP out on ASE 12.5 server and bcp in on the new ASE 15.0.3 server to bulk copy data into tables.
* Pre-migration test involves migration process by migrating to the target Sybase 15 platform.
* Test it and note down the issues & challenges during the testing phase, testing phase involves migrating throsybmigrate, DDL gen &bcp.
* Prepare PPT file that reflects Project agenda, background, Database high level detail, in scope, Out of Scope, Assumptions, Implementation Activities and estimates.
* Prepare a time frame for testing the migration process.
* Established disaster recovery procedures.
* Monitored the ASE by the use of utilities such Embarcadero DbArtisan 8.x, SQL Advantage.
* Replication server UAT Support.
* Provide Primary database recover procedure support for Sybase Replication servers 12.5.3.
* UAT support post database migration.

### uco24 Swiss Bank, London, UK Jul 07 - Apr 08

**Role: Sybase DBA**

**Environment:Sybase 12.5, Sybase Replication Server 12.5, Sybase IQ 12.6 on Sun Solaris 3.0, Red Hat Linux, HP-UX UNIX server, UNIX AIX, DBArtizan, SQL Advantage, UNIX Scripting, Perl.**

**Database Size: 40GB-Tera**

* Ensuring continuous availability and maintenance of large Sybase ASE servers with weekend support to ensure smooth functioning of equities application.
* Taking requests, tickets and assisting end users from different location through Mind Align UBS internal chat channel, requests includes immediate support on database issues, issues include Sybase Database support & Sybase replication support.
* Week end support for database upgrades, critical database related changes etc.
* Provided production support as Sybase Primary, resolving requests or problems raised by application groups in various business clusters, and coordinating with Command Centres, Unix Primary, Replication Primary, etc.
* Tuned ASEs on case-by-case basis such as adding indexes, data and procedure caches, allocating segments, partitioning big tables, optimizing SQL statements, etc.
* Administered replication servers LTM, DSI, Partitions, Stable Queues, Secondary Truncation point, Connections etc.

As Sybase DBA for UBS Financial Control team, responsible for performance tuning for a highly complicated and critical transaction - a transaction that gives Accrued Interest detail for different region (Asia, Americas, Europe, Honk Kong, North America etc). The Tuning Processes involved not only query optimization but involved in finding fragmentation issues and page splits. This transaction calls some 54 Procedures before it completes.

* Performance Tuning - Study the transactions, identify bottleneck queries and Tune the stored procedures. The testing cycle involved collecting all the 54 Procedures’ elapsed time through MDA table, find the top most hotobject, the I/O report for the bottleneck queries, testing with 2k pool, 16K pool, entire testing in unbinded cache mode, then analyse and present a report why it is slow and which are all the areas we have to tune to bring to a short duration without too much consumption of CPU resource. The process involved different types of test before coming to a conclusion.
* Worked on improving insert performance on a table and performance tuning on Stored Procedures.
* Analysing Cache management and creating named caches for some hot object.
* Highlights: Fragmentation, page split, MDA Tables, cache management, query optimization and Sybase Execution class attributes.

**Gulftainer Company Limited, Sharjah, UAE**

**Role: System Analyst (Developer on PowerBuilder, Sybase APT Workbench and Database Administration)**

Environment: Sybase 12.5, Sybase Replication Server 12.5 on Red Hat Linux, NCR MP-RAS 3.02, HP-UX 10, HP-UX 11, SCO 5, SCO UnixWare. NCR 3400, NCR 4300 World Mark, HP-9000 D-Class and K-Class and Intel based UNIX servers, single and multi-processor-based, NCR life keeperbased RAID subsystems. IBM eServer Power 5 Processor, IBM X-Series 236, RAID 10

1. Project Name: Container Repair System (CRS) (Jul-01 – Dec 00)

Environment: PowerBuilder 6.5, Migrated to 8.0, Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Container Management System (CMS). (Nov-00 – Jul-01)

Environment: PowerBuilder 6.5 Migrated to 8.0, Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Engineering System (Mar-00 – Oct-00)

Environment: PowerBuilder 6.5 Migrated to 8.0; Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Yard planning system (Aug-99 – Mar-00)

Environment: PowerBuilder 6.5, Migrated to 8.0, Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Integrated Human Resource System. (Apr-99 – Aug-99)

Environment: PowerBuilder 6.5, migrated to 8.0, Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Inventory Control System. (Sep-98 – Mar-99)

Environment: PowerBuilder 6.5, Migrated to 8.0, Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.

1. Project Name: Fleet Management system (Nov-97 – Aug-98).

Environment: PowerBuilder 6.5 migrated to 8.0; Win 98/2000, Sybase ASE 11.5.1, 12.5, IBM eServer.