

## **MUTHUKUMARASAMY RENGANATHAN**

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### **SENIOR DATABASE ADMINISTRATOR**

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Self-motivated professional with unique combination of skills in database administration and contemporary Information Technology. Fully conversant with the principles of project management. Proactive, results oriented and abreast learner. Core strengths are in:

- Database Administration
- Database Architecture/Modeling
- Database Performance Tuning
- Database Programming

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### **EXPERT IT SKILLS**

- Databases Oracle 11g, SQL Server 2012, PostgreSQL
- Database Tools RMAN, OEM, SQL Server Management Studio
- Programming PL/SQL, T-SQL, JAVA, Objective-C, Shell Script, PowerShell
- Mobile Technology Android, iOS
- ETL Tool ODI (Oracle Data Integrator)
- OS Unix, Linux, Windows 2008

### **EDUCATION**

Advanced Diploma in Management, Nanyang Polytechnic, Singapore, 2003

Post Graduate Diploma in Computer Science, Madurai University, India, 1987

Bachelors of Science (Physics), Madurai University, India, 1986

### **PROFESSIONAL DEVELOPMENT**

Specialist Diploma in Mobile Applications Development, Republic Polytechnic, Singapore, 2013

Specialist Diploma in Computer Networking, Singapore Polytechnic, Singapore, 2009

### **CERTIFICATION**

Certified IT Project Manager (CITPM), Singapore Computer Society, Singapore

### **RESPONSIBILITIES**

Database (Oracle, MSSQL, PostgreSQL) installation, patching, upgrade and migration

Database modeling, configuration and administration (backup, restore and cloning)

Database capacity planning, performance monitoring and tuning (AWR Report)

SQL tuning (Explain plan, SQL Profile) for query optimization

## **CAREER SUMMARY**

### **DBA Consultant**

**PathInfo Tech Pte Ltd, SINGAPORE .**

**June 2013 - present**

**Senior Database Administrator** (Client : Schroders Investment Management)

Administering Asset Management Bank's large and mission critical databases in distributed heterogeneous database (SQL Server 2012 and Oracle 11g) environment.

**BSI Pte Ltd, SINGAPORE**

**February 2012 – December 2012**

**Database Administrator / Data Architect**

As a versatile data Architect and DBA, involved in core database design (logical and physical modeling) and development of housing project software for Australia's leading residential housing builder. Application's various business layers, such as modeling, estimation and commissions are seamlessly integrated to provide holistic housing project software using open source technologies.

**INTTRA Pte Ltd, SINGAPORE**

**August 2008 – January 2012**

**Data Architect / Senior Database Administrator**

Leveraged analytic SQL features to process high-volume ocean schedule data. Conducted proof of concept (POC) of oracle data integrator (ODI) ETL tool. Configured, customized and implemented ODI based ETL for Ocean Logistics application.

**Singapore Management University, SINGAPORE**

**March 2008 –August 2008**

**Systems and Database Administrator**

Automated database and server monitoring using shell scripts and PL/SQL packages. Migrated oracle 9i databases to oracle 10g databases.

**Media Data Systems Pte Ltd, SINGAPORE.**

**October 2005 – March 2008**

**Lead Database Administrator**

Configured and analyzed periodical automatic workload repository (AWR) report for database performance tuning and capacity planning. Successfully implemented the oracle data-guard (DG) to protect business critical databases from disaster.

**International SQL Star Pte Ltd. SINGAPORE.**

**October 2004-September 2005**

**Database Administrator** (Client: UBS Investment Bank)

In follow the sun support (FSS) environment, performed extensive Operational DBA tasks, such as Data-Guard setup, database version upgrade, migration, cloning, backup and restoration.

**Chartered Semiconductors Ltd. SINGAPORE.**  
**Database Administrator**

**April 2001 – September 2004**

Administered Real Application Cluster (RAC) database for High Availability (HA) application environment. Standardized and automated database server capacity utilization report using Excel Macro with collected server statistics.

**W.H Bailey Consulting Pte Ltd. SINGAPORE.**  
**Database Administrator (Client :COMPAQ Asia)**

**March 1999 – March 2001**

Migrated legacy databases and implemented Business Continuity Plan (BCP) for production databases. Ensured successful Y2K transition of legacy VAX/RDB databases in VAX/VMS environment. Standardized system performance and resource utilization report.

**Software Consultant**

**Singapore Network Services Pte Ltd. SINGAPORE.**

**May 1997 – March 1999**

Ventured and explored into contemporary Internet Technologies. Developed 2 Internet based booking applications, such as CARES (Hospital Appointment Booking) and S-HotelNet (Hotel Room reservation) using HTML, Perl, Javascript and Oracle PL/SQL cartridges.

**Bell Atlantic Nynex Mobile Inc, NJ, USA.**

**April 1996 – March 1997**

As a specialist in COBOL, VAX/VMS, VAX/RDB, involved in ACE (Cellular phone sales & service) system's Y2K compliance re-engineering project. Activities include SQL query tuning for execution optimization.

**Larsen & Toubro Ltd, INDIA.**

**June 1988 – March 1996**

Designed, developed and implemented various business applications.

- Executive Information System - an integrated application that provides précised information about every construction project and its progress. Using this system Executives were able to make effective & efficient decisions.
  - Inventory Control System - designed to handle \$80M inventory of construction materials. Optimal Economic Order Quantity (EOQ) achieved through this system. As a result substantial cost savings in procurement and inventory handling achieved.
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