

COLIN MACKELLAR MSc MBCS CITP

Barnack, Stamford, Lincolnshire. <http://www.mackellar.net>
01780 430345 07771 797568 colin@mackellar.net

ORACLE DATABASE ADMINISTRATOR

KEY SKILLS

DBA & SQL, Oracle 8i (8.1.7) 9i (9.2), 10g (10.2), 11g (11.2) 12c (12.1); UNIX on Sun, Dell, Fujitsu, HP; Linux, Red Hat, Centos. Solaris, HP-UX, AIX - ksh, bash, awk; Database & Foglight clustering under Veritas; Dataguard, Streams & Shareplex replication; Problem analysis & resolution; ITIL Standards, Processes and good practice, Leadership & communication. Spoken French.

QUALIFICATIONS

Member of the British Computer Society (MBCS) and Chartered Information Technology Professional

Prometric - www.prometric.com/ibm/	IBM Certified Database Associate - DB2 10.1 Fundamentals
Examination Institute for Information Science	ITIL® v3 Foundation Certificate
Kingston University	MSc Information Systems (Systems Engineering)
Systems Analysis Examination Board	Certificate of Proficiency in SSADM
GCE `A` Level:	Mathematics, Physics and Economics

CAREER HISTORY

April 2015 to date	AlertIT – Oracle Database Administrator
Production, test and development support for Oracle 10g, 11g & 12c databases up to 1 Tb under Linux & Windows for AlertIT's multiple customers. Database monitoring, backup and DB cloning. Incident and problem investigation and resolution. Oracle upgrades and patching. Documentation and SQL tuning.	
September 2014 to March 2015	The Coventry Building Society – Oracle Database Administrator
Production, test and development support for Oracle 11gR2 databases up to 1 Tb under Solaris 10 on Sun hardware. Dataguard standby databases. Database monitoring using Oracle Grid or Enterprise Manager (OEM) and custom scripts. RMAN & Commvault for backup and DB cloning. Incident and problem investigation and resolution. Documentation and SQL tuning. Oracle patching and upgrades using opatch. PCI project and database hardening.	
October 2013 to March 2014	BT Cornwall Contract – Oracle Database Administrator
Production, test and development support for Oracle 10g and 11gR2 databases up to 1.25 Tb under Red Hat Linux 4 and 5 on Dell hardware, including 19 production and 55 development and test databases. RAC & ASM for OLTP and Data Warehouse. Dataguard standby databases. Database monitoring using Oracle Grid or Enterprise Manager (OEM) and custom scripts. RMAN & Netbackup for backup and DB cloning. Incident and problem investigation and resolution. Documentation and SQL tuning.	

March 2013 to May 2013	Admin Re Contract – Oracle Database Administrator
<p>Test and development support for Oracle 10g & 11gR2 databases up to 40 Gb under HP-UX 11 on HP Superdome hardware. Build databases and associated environments including Dataguard and streams replication to support offshore system testing. Support automated delivery of code and database environments for development, test and production. Generate and review documentation relating to the project and its handover to production.</p>	
March 2012 to December 2012	RDB Concepts Contract - Oracle Database Administrator & Client Adviser
<p>Production, test and development support for Oracle 8i, 9i (9.2.0) & 11gR2 databases up to 250 Gb under Solaris 9 and Red Hat/Centos/Oracle Linux & Windows Server on Sun, IBM and Dell hardware, including 30 production and 15 development and test databases. RAC & ASM for OLTP and Data Warehouse. Database monitoring using Oracle Grid or Enterprise Manager (OEM) and custom scripts. RMAN & Netbackup for backup and DB cloning. Flexible remote & on-site support. Advice and guidance on business continuity and ITIL process improvement. Staff mentoring and training.</p>	
October 2010 to July 2011 and October 2011 to January 2012	Premier Farnell contract - Oracle Database Administrator
<p>Production, test and development support for Oracle 8i (8.1.7), 9i (9.2.0) & 11gR2 databases up to 300 Gb under Solaris 9 and Red Hat/Centos Linux on Sun and Dell hardware, including 6 production and 30 development and test databases. RAC & ASM for live operational data store. Database monitoring using Oracle Enterprise Manager (OEM) and custom scripts. RMAN & Netbackup for backup and DB cloning. Quest Shareplex data replication. Documentation convergence from wiki and Clearspace to Sharepoint for DBA and operational processes. Flexible remote & on-site support. Advice and guidance on business continuity and ITIL process improvement.</p>	
January 2009 to October 2010	MacKellar Limited Technical Consultancy
<p>Multiple engagements for clients including Alert IT, Apana Business Psychology, Bellamy Opticians, CQC Solutions, Hambledon Consulting. DBA for production, test and development databases from Oracle 8 to 11g on Solaris and Red Hat Linux, remote & on-site. Remote DBA support for Oracle 9i (9.2.0) & 10g database production systems on Windows. Advice and guidance on business continuity, process improvement using ITIL processes and web site integration. Installation of CA Clarity on Windows and Unix platforms. Development of PL/SQL routines for Clarity backend processing and database application tuning.</p>	
July 2005 to February 2006 and June 2006 to October 2008	Siemens Metering Services (Nottingham) contract - Oracle Database Administrator
<p>Production, test and development support for Oracle 8i (to 8.1.7), 9i (9.2.0) & 10g databases up to 450 Gb in Siemens Metering under Solaris 8 & 10 on Sun and Fujitsu hardware, including 65 production and 160 development and test databases. Database monitoring using Oracle Enterprise Manager (OEM). Proof of concept systems under Linux on Dell hardware. Day-to-day control of Oracle backups and restores using RMAN with Netbackup. Schema updates adhering to formal change control methods, coordinated with in-house and third party teams. Database creation and cloning from production to development, improved speed of test DB provision by 50% and reliability by 100%. Capacity planning & fault investigation. Review security alerts and apply fixes or patches and work-rounds as appropriate. Enhancement and production of configuration and process documentation including introduction of a new wiki. Provision of advice and guidance to users and developers and junior DBAs. Introduction and advocacy of wiki for operational support content. Flexible and continuous, remote and on-site support to business operations.</p>	

June 2001 to November 2004	Perot Systems Europe for UBS Private Banking (London) European Wealth Management. Oracle Database Administrator
Support for Oracle 8i (to 8.1.7) & 9i (9.2.0) databases up to 260 Gb in the UBS Private Banking Europe division using Veritas Clustering on EMC & HDS SANs under Solaris 8 on Sun and Fujitsu hardware, including 40 production and 150 other databases achieving 99.9% availability. Setup and maintenance of RMAN, Korn and SQL scripts for Oracle and Informix backups, maintenance and diagnostics, including setup of clustered Quest Foglight. SQL & database performance tuning. DBMS patches & upgrades. Support for Sybase 12.5, SQL Server 2000 and one Informix 9.2 database. Capacity planning for all DBMSs.	
2000 to June 2001	Perot Systems Europe for UBS Private Banking (Zürich) Extranet Project. Oracle Database Consultant
Support for Oracle databases in the MyUbs extranet project using Oracle replication for high availability under Solaris and NT delivering 99.5% availability. Setup and maintenance of Korn, Z shell and SQL scripts for Oracle backups, maintenance and diagnostics. Data model refinement and delivery into production of the initial 400 Gb database system on Solaris/OpenLAN Unix using Oracle/Designer 2000. Webmaster of www.iua.org.uk	
1999 to 2000	Perot Systems Europe Database Administrator
Technical management and support of Oracle 8i databases and the e-banking and e-commerce systems development environment under Solaris 7. Creation of development databases, schema design and upgrades. Maintaining standards for security, integrity and configuration of Oracle, these standards are still in use. Setup and maintenance of shell and SQL scripts for Oracle backups, which achieved 100% reliability. Consultancy and research for other Perot accounts in Europe. Member of the Ingres User Association committee and CA-World conference committee.	
1995 - 1999	Perot Systems Europe for East Midlands Electricity Database Manager
Technical management of 12 Ingres production and development instances running on Hewlett-Packard hardware under UNIX supporting two business critical systems achieving very high reliability and availability. Technical leadership of the migration of a business critical 18Gb database system from Ingres 6.4 to OpenIngres 1.2. Maintaining standards for security, integrity and configuration of Ingres. Technical guidance of up to 5 Ingres DBAs. Performance tuning of production and development systems. Development of operational acceptance criteria for database systems. Redevelopment of database change management methods and systems for use with PVCS. Member of the Ingres User Association committee. Presentations to the IUA and CA-World 97, 98 and 99.	
1993 - 1995	The Automobile Association Database Administrator
Management and administration of 30 Ingres production and development instances running on ICL, Pyramid, Sun & Compaq hardware under UNIX in support of continuous operations with very high reliability. Setting standards for security, integrity and configuration of Ingres. Compliance auditing of all DBs. Planning and control of the testing and implementation of Ingres releases. Performance tuning of all instances. Analysis, reporting and resolution of Windows4GL, core, and Replicator bugs and improvements. Advice and guidance on design and operability issues.	
1991 - 1993	EASAMS Ltd. Strategic C ³ I Systems Division. Database Administrator
Management and administration of Ingres production and support databases running on Hewlett-Packard hardware under UNIX. Installation, configuration and management of Ingres instances and tools. Management of all database security and integrity issues, including the deliverable system.	

1976 - 1991	Royal Engineers Survey Service
1987 - 1991	Mapping and Charting Establishment R.E. Database Administrator
Management of an ORACLE database on a VAX under VMS. Installation of ORACLE and formation of security, integrity and recovery policy and procedures. Non-routine access control & auditing using SQL. Small & ad-hoc applications using SQL*FORMS. Implementation & maintenance of a large GIS/Document control system layered on ORACLE.	
1982 - 1985	Joint Air Reconnaissance Intelligence Centre Systems Programmer and Programmer
ICL CAFS 800 Database and user system maintenance and development. GEORGE 3 macro library maintenance. COBOL and FILETAB programming.	
1976 - 1981	42 Survey Engineer Regiment and 1 ASLS Air Surveyor
Survey flight planning and air photography assessment. Map revision by graphical and precise photogrammetric methods. Doppler satellite tracking.	

STRENGTHS

Identify and meet the expressed needs of the business. Develop production systems that are stable, simple and cheap to run. Communicate at all levels in a clear and timely manner. Share knowledge and good practice.

SKILL MATRIX

Skill	How Long	
SQL & DBA	Oracle	Last 17 years
	DB2	2 days training
	Informix	3 years. (Under 20%)
	SQL Server	3 Years. (Under 10%)
	Sybase	3 Years. (Under 5%)
	Ingres	5 Years. (Ending 1999)
UNIX	25 Years	
Linux	15 Years	
Solaris	15 Years	
VMS	4 Years (Ending 1991)	
Windows NT, 2000, XP, 7, 8 and Server versions.	9 Years.	
Languages	Spoken French	

INTERESTS

I am a first responder for LIVES in Stamford, <http://lives.org.uk/>. I hold the IHCD First Person on Scene (Intermediate) award & Emergency First Aid At Work Certificate. I am a keen Skier.