

Curriculum Vitae

Name	Douglas Ian Burns	Date of Birth	31/12/65
Address	6 Gloucester Square EDINBURGH EH3 6EB	Role Sought	Oracle DBA or Developer
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Summary

I am an Oracle 9i Certified Professional DBA with 15 years experience in a wide range of environments and have used Oracle versions 6.0 through to 10g on a number of different operating systems.

I have developed and taught Oracle PL/SQL, Performance Tuning and DBA courses for Learning Tree International and Oracle UK in the past. As an active contributor to the UK Oracle User Group, I have written and presented technical papers at conferences in the U.S.A., UK, Europe and Middle East, including two Parallel Execution performance presentations at this year's Hotsos Symposium (<https://portal.hotsos.com/events/SYM06>). These papers are available on my website at <http://oracledoug.com/papers.html>) Based on my conference presentations, I was invited to join the Oak Table Network (<http://www.oaktable.net>), an informal grouping of some of the world's leading Oracle experts, dedicated to disseminating high quality technical information.

Key Skills Summary

Oracle DBA (All versions from 6 to 9i)	15 years
SQL & Performance Tuning	15 years
PL/SQL	7 years
Backup solutions (Veritas, RMAN)	3 years
Unix System Administration	4 years
Team Leading/Management	9 months
Financial Systems / Investment Banking	3 years
Cluster Solutions (HA, Serviceguard)	2 years
Oracle 9iAS	18 months
Advanced Replication	1 year
Java (Jdeveloper 9.0.2)	1 year
XML (including WAP/WML)	1 year

Education

Secondary School

Archbishop Holgate's Grammar School, Hull Road, YORK YO1 5HA (09/78 - 06/82)
7 GCE Ordinary Level Pass / 1 CSE Grade 1

Occupational Training

AIX System Administration, Unix Command Language and Shell Programming, Presentation Skills Workshop, Oracle 8i PL/SQL Programming, Oracle8i DBA, Oracle 9i DBA, SQL Server 7 DBA

Occupational Qualifications

Chauncey Group Oracle DBA Certification Exam	Pass	1997
Oracle 9i Certified Professional DBA (OCP)	Pass	2002

Referees

My references from previous employers are first class. Contact details are not included, but are available on request.

Career Resume

Contract positions are indicated by (C), Permanent by (P). Most positions have been Oracle DBA roles which have consisted of standard DBA activities, such as software installation; backup and recovery planning and implementation; database sizing; user account management; performance monitoring; schema management for development projects etc. The specific duties listed below are selective and often exclude some of these activities.

09/05 – Present	Oracle DBA	BSkyB (British Sky Broadcasting)
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Environment Oracle versions 8.1 – 10.2, Solaris, Chordiant, Veritas Quick I/O, Netbackup, RMAN

- I worked across all areas of Sky's business systems, including the Data Warehouse and the new CRM project, as part of a large team of DBAs supporting several hundred production, development and test databases. This included on-call production support and shift work to support Sky's dynamic working environment.
- Helped to develop Sky's new Production Database Standards to include 10g new features and worked towards improving compliance with the standards.
- Implemented procedures to manage historic optimiser statistics to help diagnose problems with changing execution plans.
- Tuned a number of significant batch jobs, reducing execution times from hours to minutes.
- Primary DBA support contact for new Scheduling and Bookings Enhancements project using Click Software Service Optimisation Suite. This included all test, development and production implementation activity.
- Significant server consolidation activity in co-operation with the Unix Sys Admin team
- Training and coaching of existing permanent DBAs moving from Adabas to Oracle support roles.

04/05 – 09/05	Oracle DBA	Scottish Water
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Environment Oracle versions 8.0 – 9.2, Solaris, Peoplesoft, LIMS, Netbackup, Rman, OEM

- I work in the IT development technical team, supporting 70-80 development and test databases used by the development teams to implement a variety of off-the-shelf applications, particularly Peoplesoft Financials modules and LIMS. This includes project work relating to new releases and ongoing support work, including environment refreshes, fault resolution and general Oracle consulting.
- Significant DBA support for upgrade of Peopletools to version 8.45
- Production of overall system review document including recommendations to improve existing system architecture and support model
- Filesystem reconfiguration and database file moves to implement OFA-compliant configuration
- Planning for upgrade of Sun E10K development and test server to E25K

10/04 – 03/05	Oracle DBA	Sun Microsystems
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Environment Oracle versions 7.3.4 – 10g, Solaris, Shareplex, SQL Backtrack, Sun Cluster, Sybase

- Working in the EMEA team of Sun's worldwide DBA support team I was employed to cover a short-term resource shortage. Sun operate a three-shift 'follow the sun' support model to support around 1400 production, development and test databases worldwide running a wide variety of application on the full range of Sun's hardware. This required me to become familiar with Sun's processes, procedures and in-house DBA tools very rapidly and to communicate effectively with a large world-wide user community.
- Front-line support of a wide range of Oracle and Sybase databases, including a wide variety of tasks from database recovery to code releases.
- Database environment creation, cloning, upgrades and other project-orientated tasks.
- Some training of other team members who were less familiar with Oracle.

04/04 – 09/04	Oracle DBA	Kraft Foods Europe
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Environment Oracle 9i Release 2, Oracle 9iAS Release 2, Oracle Warehouse Builder 9.0.3, Oracle Discoverer, PL/SQL, SQL Navigator 4, AIX 5

- Working in the European Oracle Centre of Excellence, I was the primary Project DBA for the implementation of Galaxy – a 600Gb Data Warehouse system. This used OWB mappings to populate the data during the overnight schedule and allowed users to access the data using Oracle Discoverer. The system made extensive use of Oracle features, including partitioning, materialised views, fine-grained access control, star transformation and bitmap indexes.
- Using a combination of Statspack and wait event tracing against overnight batch processes to identify performance problems.
- Creation of Project QA and development environments, using both cloning and edited DDL scripts to generate smaller versions of the production environment.
- Evaluation of faults in existing physical design and documentation of proposals to improve the system.
- Mentoring Permanent Junior DBA.

01/04 – 04/04	Oracle Developer	Standard Life
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Environment Oracle 9i Release 2, PL/SQL, SQL Navigator 4

- Working for Information Systems International division on the Phoenix Insurance quotation and policy management system used by Standard Life Germany
- Creation of data subset mini-schema for testing
- Analysis and redevelopment of the application code to improve performance dramatically and increase resilience
- Documentation and hand-over of procedure to Standard Life Germany

07/02 – 12/03	Oracle Consultant/Instructor	Various Organisations
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Environment Oracle 9i Release 2, Oracle 9iAS Release 2, Solaris, Windows 2000

- Working for various organizations on short term consulting projects, including :-
 - Technical Editor for new Learning Tree course development – ‘Oracle 9iAS Administration and Deployment’
 - Installation of several 9iAS Servers for Edinburgh University
 - Teaching various public courses for Learning Tree, including Oracle DBA, PL/SQL and Application Development and Tuning Courses.
 - Oracle 8.1.7 to 9i upgrade for Southend NHS Trust.
 - Application Performance Analysis and Team Coaching for Orchestria.

11/97 – 07/04	Instructor (C – Part-time)	Learning Tree International
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Environment Oracle 7.3 and 8.1.6, and 9i, Windows NT 4

In addition to the previous positions, I teach courses on an occasional freelance basis for Learning Tree International, between other contracts.

- Teaching the following courses as publicly scheduled and onsite courses :-

Oracle 9i Database Administration
Oracle 9iAS Administration (also Technical Editor for this course)
Oracle 9i – A Comprehensive Introduction
Oracle 8i for Database Administrators
PL/SQL Programming – An Advanced Workshop (also Technical Editor for this course)
Oracle 8i Applications Development and Tuning

04/02 – 07/02	Oracle Performance Analyst (C) Mars Inc.
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Environment Oracle 8.1.6, Visual Basic, Windows 2000, TOAD, WinTask, Citrix Metaframe and Nfuse, Hamilton Grant recipe Developer

- Produced report recommending performance-testing approach for RADAR Recipe Development System to validate that it would perform adequately when rolled out to worldwide research and development facilities.
- Carried out initial performance analysis of third-party and in-house applications using Statspack and Trace facilities and recommended improvements
- Developed load-testing scenarios using Wintask and Citrix Server Test Kit.
- Produced Oracle SQL and PL/SQL performance-related development standards.

09/01 – 11/01	DBA (C)	Edinburgh University
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Environment Oracle 7.3.4, 8.1.7, Oracle 9iAS, Oracle Portal, Solaris 7, Spotlight, TOAD,

- Short-term contract to cover staff shortage
- Evaluation of existing backup and recovery procedures, recommending and implementing improvements
- Upgrading several databases from Oracle 7.3.4 to 8.1.7
- Performance analysis of third-party application and recommending SQL improvements.
- Recommended move to Locally Managed/Uniform Extent tablespaces and implemented first few databases

04/01 – 06/01	Oracle Consultant (C)	Orbital Software
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Environment Oracle 8.1.5 – 8.1.7, Red Hat Linux, Java, PL/SQL, XML, Orbital Organik, TOAD

- Production of a report listing various high availability and recovery solutions for databases hosted by Orbital on behalf of their clients. I also implemented improvements to the short-term export-based solution.
- Analysis of current optimisation model and recommendation to move to cost-based optimisation. I was also involved in conducting stress tests to evaluate the success of this approach.
- Identification of poor SQL statements and creation of indexes or embedded hints to improve performance.
- Production of an informal list of SQL performance tuning guidelines to improve the quality of future code development.

04/00 – 02/01	DBA (C)	Deutsche Bank / Wood Mackenzie
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Environment Oracle 8.0.5, Solaris, Mediasurface 2.1, MS Access OEM 2,
Quest Schema Manager, TOAD, Designer 2000

- Evaluation, implementation and documentation of schema release procedures using Quest Schema Manager as a replacement for the existing Oracle Designer. The schema was particularly complex, consisting of more than 1800 tables.
- Implementation of various scripts and procedures to ensure that the system would meet production standards (monitoring, backups, exports etc.)
- Sizing calculations, re-implementation of storage parameters and db reorganisation to use uniform extents. Implementation of space tracking scripts to measure trends after going live.
- Extensive monitoring and tuning activities during stress tests with both Mediasurface and MS Access code.
- Regular creation and synchronisation of new database environments to support multiple test and development streams (including Mediasurface environment creation)
- PL/SQL Development and DBA training of permanent employees, both structured courses and coaching.

01/00 – 04/00	DBA (C)	Scottish Equitable
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Environment Oracle 8.0.5, Sequent Dynix Ptx, EMC, Unisure, LINC, OEM 2

- Development of Backup and Recovery tests for production environment
- Development of PL/SQL, SQL and Shell scripts for schema comparison across multiple development and testing environments.
- Some training of permanent Scottish Equitable staff.

08/99 – 12/99	Oracle Consultant (C)	ICL (Client - Romanian National Railways)
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Environment Oracle 8.0.5, Solaris 7, Sun HA, E10000, NT 4, Spear 2000 Asset Management

- Configuration design for multiple Oracle 8.0.5 databases running on E10000 cluster to support two infrastructure applications and one GIS.
- Installation of Oracle 8.0.5 on E10000 cluster, using SunCluster 2.2
- Installation of Oracle and development tools on two Sun E450 servers to be used for training and development purposes.
- Acting as liaison between ICL, client and application vendors on all Oracle-related issues.

03/99 - 06/99	Senior DBA (C)	@Home Netherlands
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Environment Oracle 8.0.5 and 7.3.4 (including multi-master replication), Oracle Application Server, Arbor, Remedy ARS, Solaris 2.5, Sun HA, AIX, Red Hat Linux, ServiceBroker

- Installation of all Oracle Server and Client software across 30-40 machines, creation of most databases and assisted with creation of other databases by the U.S. development team.
- Production of HTML-based configuration and support documentation for Network Operations Centre.
- Implementation of hot backups (using Legato Networker) across all databases and emailed alert notifications to assist 24x7 operation.
- Back-up Unix Administrator

04/98 - 01/99	DBA / Technical Architect (C)	Vision Consulting
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Environment Oracle 7.3.4, Tuxedo 6.3, Dec Alpha 4100, PL/SQL, TOAD, Mercury LoadRunner

- Performance analysis of existing SQL code and subsequent tuning.
- Primary Unix Administrator/Oracle DBA for DEC Alpha 4100 used for Development (DEC Unix 4.1.3)
- Improvements to Software Installation process to manage Schema Object integrity
- Porting application to a new software environment (Tuxedo on NT, back-end executables on AIX) for new client.
- Some team leading activities (Performance Tuning team)
- Presenting Training Workshops for the development team (e.g. SQL Performance Tuning)

10/97 - 01/98	Oracle DBA (C)	S.A.I.C
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Environment Oracle 7.3.4, Peoplesoft, NT, AIX

- Primary DBA for Peoplesoft system
- Improvements to database refresh procedure, used to support development activities
- Improvements to backup scripts to ensure that the correct files were being saved.
- Implemented replication to support Schiehallion project.

02/97 - 08/97	Oracle DBA (C)	Syntegra
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Environment Oracle 7.1.6, ICL Unix, Agricultural subsidy systems

- Produced re-configuration recommendations to improve performance and space management of existing systems.
- Worked with a number of external suppliers (Cap Gemini, FI Group) to implement new systems and suggest improvements to their use of Oracle.

05/96 - 02/97	Oracle DBA (C)	Barclays Stockbrokers
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Environment Oracle 7.3, HP/Ux 10, ServiceGuard, Tarot

- Analysed SQL used by third party Tarot application and produced recommendations for application improvements in future releases.
- Assisted skilled development team in developing efficient Oracle SQL code.
- Backup Administrator for 3 node HP Serviceguard cluster
- Trained inexperienced permanent employee to act as my replacement

07/95 - 05/96	Oracle DBA (C)	Barclays De Zoete Wedd
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Environment Oracle 7.1.6, HP/Ux 9, Aries (TCAM) Settlements System

- Carried out a one-week benchmarking exercise at HPs benchmarking centre in Manchester to establish the potential benefits of expanding the existing T500 system with additional processors.
- Introduced a regular maintenance schedule to improve system performance and simplify system support.
- Developed an alternative backup strategy, using a hot standby, to reduce the performance impact of hot backups on the server.
- Implemented system warnings to 24-hour operator consoles to ensure action was taken to prevent problems.

11/94 - 05/95	Instructor (C – Part-time)	Oracle UK
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Environment Oracle 7.1, VMS

- Teaching Oracle 7 DBA (Part 2) course - Maintaining and Tuning the Database

05/95 - 07/95	Operations Manager (C)	MFS Communications (now MCI WorldCom)
06/94 - 05/95	Oracle DBA (C)	

Environment Oracle 7.0.16, HP/Ux 9, TIMS (Telecomms Billing System), C, SQL

- Development of utilities to eliminate certain types of calls from data feeds, using C.
- Management of 6 personnel and all IT operations.
- Development of System Management and company-wide Security standards.

03/94 - 06/94	Senior A/P (C)	Student Loans Company
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Environment Oracle 7.0.15, Reports 2.5, MS Windows

- Developed a large number of reports using Reports 2.5, to an extremely tight schedule.

01/94 - 03/94	Oracle DBA (C)	London Borough of Hackney
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Environment Oracle 6.0.36, Sequent Dynix/PTX, Oracle Council Tax

- Recommended and implemented server configuration changes to improve performance.
- Assisted with the development and performance of the year end processing plan and associated test runs.

01/93 - 12/93	Oracle DBA / Consultant (C)	Saudi Arabian Oil Company
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Environment Oracle 7.0.12, SunOS, OS/2, MVS, Cray Unicos

- Installation of software on a wide range of platforms, including mainframe and super-computer environments and a large number of clients.
- Development of site-wide data and database administration standards

04/90 - 09/92	Senior A/P (P)	Lloyds Bowmaker
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Environment Oracle 6.0.33, AIX, Pro*C

- Development of a procedure to refresh the database from mainframe extract files (Pro*C)
- Primary Unix Administrator and Oracle DBA

To reduce the length of this resume it only contains details of Oracle-related work. Prior to working with Oracle, I worked for 4 years as a Z80 assembly language programmer (home computer games), PC Support Analyst and a Clipper/C programmer (motor finance). Details are available on request.

Hobbies and Interests

Playing guitar; Reading books (novels, computer-related, psychology); Watching football, Spending time with my daughter and experimenting with Oracle on my own 4-CPU server. In my spare time, I also run an Oracle-related Weblog – <http://oracledoug.com/serendipity>