

KENNETH GORMAN
Principle Database Engineer/Architect
ORACLE CERTIFIED PROFESSIONAL

TECHNICAL SKILLS

Oracle 7~8~8i~9i~10g * PL/SQL * perl * Architecture and Design * Veritas Clustering * Veritas VxFS * Oracle Replication * Backup and Recovery * RAC 9i/10g * Partitioning * VLDB * Performance tuning * Solaris 7/8 /9/10 x86/Sparc * Linux * LVM/ReiserFS * Sun Enterprise hardware * storage performance/config * shell scripting * python * relational design * Mentoring team members * documentation/html/wiki/xml * MS project * MS office * OSX * rrd * statspack * capacity planning/system sizing * performance engineering/tuning *

EXPERIENCE/PROJECTS

November 2006 - Present Quigo Technologies San Jose, CA

Principle Database Engineer/Architect

- Architect of new database systems and architectures, scalability and capacity planning.
- Production DBA, Responsible for all production databases. Systems include near real time data warehousing, OLTP, replica databases for ad serving across the country
- Linux/64, 10g/RAC, logical, physical standby's, and replicated adserving databases.
- Wrote system monitoring, management and graph suite in rrd/python and perl.
- Tuned high throughput systems, designed new architectures to accommodate growth and scalability.

April 2002~November 2006 eBaY/Paypal San Jose, CA

Principle Database Engineer

- Production DBA. Responsible for all production databases, including multi-terabyte, high throughput OLTP systems on Sun, and Linux platforms and Hitachi SAN storage.
- Oracle 9i RAC migration from IBM AIX to Sun Solaris on RAW devices. RAC tuning, config and setup.
- Responsible for migration to Fujitsu platform from Sun for critical systems. Performed lab testing, authored white-papers showing test results, worked with the best minds at Sun and Oracle on the project.
- Wrote capacity planning, troubleshooting, and forecasting software using perl/rrd and statspack.
- Mentored DBA team, showed leadership/senior role, trained new DBA, in oncall and triage techniques.
- Wrote automation software designed to auto-clone 1000+ QA instance cluster for QA testing. Self service model via database metadata on Netapp utilizing copy on write snapshots and perl automation.
- Represented database team in Joint Architecture and Design meetings. Decision maker in new architectures, software, and procedures.
- Involved or responsible for response 24/7 for nearly 5 years of oncall coverage for very high transaction systems. Wrote monitoring, maintenance, and forecasting scripts in perl. Scripts in use for many years.
- Ebay SWAT rotation; first responder to triage critical systems, communicate with NOC and quickly resolve production issues. Mentor other DBA, in this role. Developed tools to ease transition for new DBA, in this role.
- Worked with Product Development on constant SQL tuning regime. Responsible for shared pool tuning saving production systems 20% in parse overhead.
- Utilize statspack, 10046 trace, tkprof, explain plan, and other tuning techniques on a routine basis to tune production databases. Proven performance gains with direct impact to business metrics.
- Attend meetings, communicate on difficult technical issues, take input from Product Development, attend seminars, and work directly with Oracle support on complex technical database issues.
- Consult, design and implement DSS systems that perform large query loads for business users on a daily basis. Implement profiles, query tuning, schema design, and ETL load procedure for DSS and Finance systems.
- Work closely with Operations and Product Architecture as DBA technical consult. Make recommendations on capacity, sizing, DR, and performance aspects of new architectures.
- Created test lab for POC on various projects including RAC, OSX, ASM, ASSM, Logical Standby, ETL. Project results have direct technical impact on live implementations.

April 2001~April 2002 Kenamea San Francisco, CA

Senior Database Administrator

- Production DBA. Responsible for Kenamea Application Network service. Responsible for database SLA requirements.
- Designed Kenamea product/service database schema from scratch.
- Wrote Java and PL/SQL utilities for replication of data and change management processes.
- Implemented DBA policy, including Disaster Recover Plan, Backup/Recovery Plan, Change Management Plan, SLA guidelines.
- Implemented and managed production, stage, qa, and development database environments.
- Implemented Oracle9i databases for monitoring and management, Oracle8i for production/stage/development.
- Performed capacity planning, tuning, and system sizing for production grade database on Sun Enterprise Hardware.

- Mentored development staff on design choices and good SQL practices.

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- Provided requirements to Sysadmin staff on architecture of Solaris 8 systems for optimal database performance.

November 2000~April 2001 Musicbank.com San Francisco, CA

Senior DBA

- Production DBA. Responsible for 24x7 uptime and performance requirements for clustered OLTP, single OLAP, and other production databases > 1/2 TB. On-call status.
- Responsible for all architecture, configuration, platform, and other business-critical decisions.
- Responsible for tuning, backup /recovery, and administration of all db systems including documentation of policy.
- Implemented and managed 2x HA (hot/hot) cluster using Veritas Cluster Server, Volume, and File system components. Cluster utilized Sun Enterprise hardware and storage. Wrote cluster-aware backup and mgmt tools/scripts.
- Designed and implemented management server for monitoring/alarms/capacity planning for entire environment using native Oracle tools/shell scripts featuring http based collection and olap-style web reporting capabilities.
- Performed Oracle 8i tuning, sizing, and vldb performance enhancements on all systems to meet workload requirements.
- Designed database infrastructure, including complex meta-data update process from vendors.
- Worked with Sysadmin staff on key Solaris configurations (Dynamic Reconfiguration, Dynamic Multipathing).
- Developed change management process for critical db systems.
- Improved BEA Weblogic connection and performance issues through testing and enhancements to core system.

July 1999~November 2000 Backflip.com San Francisco, CA

Production DBA

- Production DBA. Responsible for 24x7 uptime and performance requirements for 1/2TB OLTP system and 1/2 TB OLAP databases. On-call status.
- Implemented scalability strategy for Oracle 8i OLTP and OLAP platform using Veritas components to allow the Backflip service to scale to multi-million's of users.
- Implemented new Sun database architecture w/ > 1TB of RAID disk. Tuned Veritas and Oracle for optimal performance and uptime. Performed database migration to new platform.
- Implemented complex ETL procedure for population of Oracle OLAP system. Maintained and expanded load procedures to load OLAP star schema and meet business objectives.
- Responsible for configuration, setup, and synchronization of Staging and Development environments.
- Developed custom alerting/alarms and performance monitoring suite w/ web based console in Perl and shell scripts. All data is saved in data warehouse for analysis and long term capacity and performance prediction/planning.

January 1999~July 1999 CitySearch Inc./Match.Com San Mateo, CA

Staff DBA

- Responsible for tuning, PL/SQL coding, and day to day management of 40GB OLTP database.
- General DBA responsibilities include support of engineering staff on high availability UNIX and NT platforms from site design phase to release/roll-out.
- Worked with contract DBA's to engineer new instances, policy, and system architecture to support transaction oriented 2.2 million member Match.Com web site.
- Wrote scripts to manage size, disk allocation, roll-out phasing, and performance enhancement.
- Developed complex PL/SQL stored procedures, packages, and triggers for Match.Com 2.0 site.
- Tasks included CFML/HTML coding, PL/SQL coding and some PERL scripting to business team specifications.

January 1997~January 1999 Business Resource Group San Jose, CA

Staff DBA

- Staff DBA. Responsible for production and development instances on Oracle 7.3 and 8 on UNIX and NT company wide. Duties included backup/recovery, tuning, replication, import/export, support of development, and Oracle WAN.

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- Authored/Implemented corporate web CMMS interface on Oracle 7.3 for Hewlett Packard Labs, Palo Alto. Project involved complex SQL, stored procedures, and triggers and development of a user friendly web front-end.
- Authored Archibus/FM for Oracle Guidelines document. Document outlined sizing, backup/recovery, and tuning requirements for 3rd party product.
- Authored/Implemented corporate web CMMS for Lincoln Property Company, Dallas TX. Managed design and implementation effort in addition to product specification, design, and roll-out. Project involved complex business logic implementation via SQL and stored procedures through a web front-end.

- Documented and performed upgrades and modifications to Cisco Systems Worldwide Facilities Group Sybase DB system. Wrote scripts to synchronize customer Facilities Oracle database with CAD drawings.

February 1996~January 1997 Bailey Associates San Francisco, CA
Consultant

- Implemented cornerstone facilities database for Charles Schwab, Inc. San Francisco, CA. Project included system sizing, tuning recommendations, implementation/benchmarking, and testing cycle.
- Engineered custom web-to-database connectivity package to allow CAD drawings to show corporate space utilization real-time. Product highlighted in numerous conferences and on Autodesk web site.

EDUCATION

1997-2001 Oracle Education San Francisco, CA

- Oracle Masters Level
- Oracle Parallel Server, Oracle Scalable Systems
- Certification Complete. Oracle Certified Professional.
- Oracle 8 DBA Administration, Oracle 8 Backup and Recovery, Oracle 8 PL/SQL, Performance Tuning
1998 Executrain San Jose, CA
- MS Project
1994-1995 University of Colorado Denver Denver, CO
- Coursework

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References available on request