

Resume

Kenneth A. Roth

1511-F S. Indiana Ave.
Chicago, Illinois 60605
312.834.ROTH (7684)
Ken@RothDBA.com

Summary of Qualifications

- Highly motivated, self-starter with 25+ years of IT experience coupled with proven desire and commitment to continually learn and apply new technologies.
- Adept at providing leadership, managing multiple concurrent projects, being attentive to detail and maintaining the ability to make rational decisions in pressure situations.
- Exceptional interpersonal skills with the ability to clearly communicate with non-technical and technical persons at all levels both within and outside of the organization.
- Proven ability to install and administer Oracle and SQL Server databases in a variety of operating system environments including Microsoft Windows, Solaris, Linux, HP-UX, AIX and Unix SVR4.
- Experienced in designing, building and administering Oracle clustered server configurations supporting 9i, 10g, 11g and 12c Real Application Clusters (RAC) installations on Linux, Solaris and AIX.
- Expertise in replication technologies including GoldenGate, Streams, AQ and Materialized Views.
- Skilled at effectively analyzing and developing innovative solutions in support of SQL Server 2000, 2005, 2008 2008R2 and 2012 HA/DR installations.

Professional Profile

October 2008 to present

President – Roth Consulting, Inc., Chicago, Illinois

UBS, Chicago, Illinois (*Client*)
Global financial services firm

U.S. Cellular, Chicago, Illinois (*Client*)
The nation's sixth-largest wireless provider

CME Group, Chicago, Illinois (*Client*)
World's leading and most diverse derivatives marketplace

Newedge USA, LLC, Chicago, Illinois (*Client*)
Global leader in multi-asset brokerage and clearing

- Provide Oracle and SQL Server database technology consulting services and solutions.
- Maintain focus on implementing the most cost effective deliverables for specific client needs.
- Advise on available technology alternatives, architect optimal design strategies, execute implementation and provide related training and ongoing support.
- Employ experience in diverse business environments including financial services, communication, transportation, pharmaceutical, manufacturing and public sector to deliver solutions in compliance with appropriate regulatory and availability requirements.
- Configure and support Exadata and clustered Linux servers (RHEL and OEL) to host Oracle 11g and 12c RAC technology stack supporting both OLTP and DSS (data mart/data warehouse) databases.
- Create High Availability 11g and 12c RAC Linux clusters (ranging from 2 to 6 nodes) utilizing Data Guard in compliance with Oracle's Maximum Availability Architecture (MAA).

- Deploy cloud-based SQL Server 2012 builds utilizing SystemCenter 2012 in support of Database as a Service (DBaaS) infrastructure.
- Administer SQL Server 2012 HA/DR configurations utilizing AlwaysOn technology.
- Architect GoldenGate (10.x/11.x/12.x) replication solutions to facilitate data flow between heterogeneous (SQL Server and Oracle) environments.
- Lead database security audit vulnerability assessment and remediation projects.
- Design, execute, document and train in-house DBA staff on customized procedures for upgrading Oracle databases to 11gR2 using clone method to maximize efficiency.
- Develop and implement automated Oracle and MSSQL database refresh and migration processes using traditional techniques as well as SAN split-mirroring technology.
- Utilize Oracle Automatic Storage Management (ASM), Oracle Managed Files (OMF) and Recovery Manager (RMAN) to improve I/O performance, reduce administration overhead and provide a comprehensive backup and recovery strategy.
- Administer single-node and RAC 9i, 10g, 11g and 12c Oracle databases on Linux, Solaris and Microsoft Windows hosts.
- Develop custom utilities to automate manually intensive tasks including mass schema changes, recovering GoldenGate corruptions and managing host/cluster maintenance mode blackouts.
- Implement Enterprise Manager Grid Control (11g and 12c) to provide monitoring and management of the Oracle database estate.

September 2005 to October 2008

Database Management Specialist/Lead Associate – UBS, Chicago, Illinois

- Provide primary support of mission-critical Oracle 8i/9i/10g and SQL Server 2000/2005 database environment encompassing over 3000 instances spanning multiple global regions.
- Manage Oracle RAC database configurations utilizing Veritas Cluster Server (VCS), GoldenGate and Data Guard to ensure maximum availability and data protection.
- Perform certification of integrated technology stack (operating system / database / backup utility / replication strategy) on multiple operating platforms and author related operational documentation.
- Deliver technical knowledge sharing presentations to North American DBA staff and management.
- Install, configure and support uni-directional and bi-directional Oracle-to-Oracle replicated environments utilizing GoldenGate v7.
- Project manager for database version upgrade and patching efforts including Oracle Australian time zone, US Daylight Saving Time and Critical Patch Update (CPU).
- Regional coordinator for database change management process including request review, disposition, determining implementation schedule and assigning resources.
- Coordinate and lead disaster recovery testing exercises to guarantee business continuity targets.
- Implement partitioning and related partition management jobs to maintain automated rolling data windows on multi-billion row SQL Server 2005 MOM data warehouse.
- Architected and implemented GoldenGate replication between SQL Server data warehouse and Oracle capacity and performance management repository.
- Configure and maintain high availability SQL Server solutions including clustering and log shipping to provide a reliable infrastructure for mission-critical applications.
- Mentor application developers in SQL statement execution analysis and optimization, database design best practices and performance tuning recommendations.
- Install, maintain and support SQL-BackTrack and Netbackup for Oracle and SQL Server for performing enterprise-wide backup and restore operations.
- Engineer server and database utilities to assist in managing global database environment.
- Enforce auditable enterprise database security standards in compliance with national and international financial service industry regulations.
- Interview candidates, assist with onboarding new joiners, and mentor them in technical and operational standards and procedures.

June 2004 to September 2005

Senior Oracle Database Administrator – Enterprise Rent-A-Car, St. Louis, Missouri

- Administer all facets of multiple mission-critical Oracle 9i and 10g databases operating in both single-node and high availability 24x7 Real Application Clusters (RAC) configurations.
- Serve as Subject Matter Expert and Project Lead in a variety of areas including Oracle Streams, database security and auditing, backup and recovery, performance tuning and Unix shell scripting.
- Provide primary on-call support for a large, dynamic database environment encompassing approximately 200 Oracle instances running on over 50 IBM RS/6000 midrange servers.
- Mentor Data Architects, Business Analysts and Software Engineers in areas such as database modeling, structure design, SQL tuning and development of PL/SQL stored objects.
- Develop Unix shell scripts to monitor databases for potential problems, capture pertinent diagnostic information, alert appropriate support staff, and generate related incident reporting.
- Maintain database security for all development, QA, training, support and production instances.
- Evaluate new products and features and provide related assessment and implementation strategies.
- Assess and recommend alternative processes, procedures and tools to streamline operations and provide a more efficient and cost effective database environment.
- Utilize a variety of tools including EMC TimeFinder, RMAN, Data Guard, Unix shell scripts and InDepth for Oracle to backup, duplicate, refresh and tune databases across multiple servers.

August 1999 to June 2004

Oracle Database Administrator – EDS / Express Scripts, St. Louis, Missouri

- Primary DBA for multiple mission-critical Oracle 7, 8, 8i and 9i databases supporting both traditional and e-business applications operating in a high availability 24x7 environment.
- Responsible for all aspects of Oracle database administration including design, installation, creation, monitoring, performance tuning, storage management, security, backup and recovery.
- Provide a secure database environment in compliance with Defense Information Systems Agency (DISA) policies defined in the Security Technical Implementation Guide (STIG).
- Monitor, analyze and tune databases to ensure that levels of performance, data integrity and availability are within measures defined by Service Level Agreements.
- Develop Unix shell and Oracle SQL scripts to aid in the support of over 100 Oracle instances running on multiple Hewlett-Packard, IBM, and Sun midrange servers.
- Participate in logical and physical database design reviews to ensure application design integrity.
- Evaluate and employ Oracle and third party tools such as ERwin, Power Designer, SQL*Loader, BMC Patrol, Import/Export and TOAD to model, populate, monitor and tune Oracle databases.
- Serve as project manager for large-scale efforts including database upgrades, EMC disk frame reorganizations, security vulnerability mitigation, and inter-site database migrations.
- Follow Oracle Optimal Flexible Architecture (OFA) guidelines for database configuration to minimize resource contention and maximize performance of EMC Symmetrix disk frames.
- Create and publish standards and operational procedures to provide continuity of operations between geographically distributed DBA groups.
- Develop, document and test database disaster recovery plans at remote standby sites.

December 1994 to August 1999

Assistant Director of MIS - City of Clayton, Missouri

- Administer multiple Oracle 7 and Oracle 8 databases used for the city's core financial, special assessment, business licensing, and electronic document management applications.
- Administer symmetric multi-processor Unix and Windows NT Oracle database servers.
- Develop Unix, Windows NT, and Oracle SQL scripts to perform activities such as nightly backups, fragmentation and growth reporting, monitoring alert logs and e-mail/pager notification of events.
- Install and configure Oracle databases on Windows NT to provide an environment for testing PL/SQL programming of packages, procedures and functions.

- Convert the city's mission-critical database applications from a Unisys mainframe to Unix and Windows NT based Oracle client-server architectures.
- Analyze, design, develop and maintain software applications utilizing a variety of tools including Unix and Windows NT scripting, SQL, SQL*Plus, and LINC (Unisys 4GL).
- Accountable for daily administration of a dynamic Metropolitan Area Network comprising a variety of equipment including Windows based workstations, Novell 3.x/4.x networks and Windows NT 4.0 and Unix SVR4 application servers.
- Perform ongoing capacity planning analysis to ensure resources meet future growth requirements.
- Assist in preparation and administration of annual departmental operating budget.
- Responsible for purchasing, installation, upgrade and support of system components, peripherals, operating systems, and application software for all city departments and facilities.
- Develop, publish and enforce hardware and software standards, policies and procedures.
- Webmaster and administrator of the city's Internet server for Web and e-mail presence.

February 1992 to December 1994

Systems Analyst / Consultant - Systems Consultants, Inc., St. Louis, Missouri

- Project manager for integrated suite of appraisal, assessment, billing and collection property taxation applications at multiple municipal and county sites nationwide.
- Design and develop database software applications utilizing the Unisys LINC environment.
- Oversee sub-contractors to ensure that quality requirements and project deadlines are met.
- Utilize proven methodologies to guarantee success during comprehensive product life cycle including analysis, design, coding, testing, documenting, installing, training and support.
- Design, install and administer Novell 4.x network including workstation connections to multiple Unisys mainframe development systems.
- Develop curriculum, prepare training materials and instruct customer education classes related to property taxation suite of applications.
- Provide on-site and remote system and application software support to customer accounts.

June 1988 to February 1992

Systems Analyst - Haviland Products Company, Grand Rapids, Michigan

- Analyze, design, code, test and support multiple mission-critical database systems in a manufacturing environment utilizing LINC.
- Supervise Unisys mainframe system operations including database backup and recovery to ensure system availability and data integrity.
- Provide software and hardware implementation and technical support to staff.
- Develop procedures documentation defining operational standards.
- Administer on-site and remote mainframe networks including diagnosing and repairing faulty cables, modems and terminals.

Educational Profile

University of Missouri - St. Louis

Bachelor of General Studies - Business Management (Magna Cum Laude)

Lansing Community College

Associate in Business - Management Information Systems

Oracle Corporation

Oracle 8 / 8i / 9i / 10g Certified Database Administrator (OCP)

Oracle 10g New Features for Administrators

Oracle 9i Real Application Clusters

Oracle 9i New Features for Administrators
Oracle 8 Network Administration
Oracle Relational Database Modeling and Design
Oracle 7 Database Administration I
Oracle 7 Database Administration II
Oracle 7 Backup and Recovery
Oracle 7 Performance Tuning

Veritas Corporation

Veritas Cluster Server - VCS
Indepth for Oracle

Microsoft Corporation

Maintaining a SQL Server 2005 Database
Supporting Windows NT 4.0 Core Technologies

Washington University - Center for Application of Information Technology

Microsoft Exchange Server Configuration and Administration

University of Missouri - St. Louis Continuing Education

Unix Administration / Scripting
TCP/IP Networking - Router Configuration / Administration
Novell Network Administration and Management