

## Summary

I am an accomplished database professional, author, and speaker with a rich history of working with database technology in leadership and individual contributor capacities. My particular specialties are Oracle database performance and SQL performance. I am the author of *Beginning Oracle Database 11g Administration* [Apress, 2009], president of the Northern California Oracle Users Group, editor of the *NoCOUG Journal*, and organizer of the International NoCOUG SQL Challenge. In recognition of my database expertise and community contributions, I was designated an Oracle Ace by Oracle Corporation.

### Senior Principal Database Architect, Oracle, Redwood Shores, CA

Jun 2011–

Oracle 11g, Linux, NAS, Data Warehouse

In this role, I am responsible for the performance and scalability of the On Demand Marketing module of Oracle Corporation's CRM product suite.

- ✓ *Reduced the time required to create indexes for a test data warehouse limited by a 100 MB/sec network connection from an estimated 30 days to 24 hours.*

### Solution Architect/Principal Oracle DBA, Amgen, Thousand Oaks, CA

Aug 2010–May 2011

Oracle 11g, Oracle 10g, Data Guard, Streams, Linux, Solaris, NAS, Data Warehouse

Amgen is the leader in the biotechnology industry. In addition to handling several major Oracle database initiatives, I provide L4 support for the L3 Oracle DBA team. Database initiatives include Grid Control, multi-master replication, and database refactoring.

### Senior Oracle Consultant, Database Specialists, Oakland, CA

Jan 2008–Aug 2010

Oracle 11g, Oracle 10g, RAC, ASM, Data Guard, Linux, Solaris, HP/UX, AIX, Windows, Exadata

Database Specialists is a provider of database management and consulting services. I provided a wide range of database management and consulting services for large and small customers of Database Specialists located all over the USA. My goal was to convert short-term Professional Services contracts into long-term Managed Services contracts through superior service and execution.

- ✓ *Helped a SaaS provider cope with exponential growth by solving complex database performance problems.*

### Senior Oracle DBA, Verizon Business, San Francisco, CA

Jan 2006–Jan 2008

Oracle 10g, Oracle 9i, RAC, ASM, Data Guard, SQL Server, DB2, MySQL, Linux, Solaris, HP/UX, AIX, Windows

Verizon Business is a global communications, IT, and security solutions partner for business and government. As an Operations DBA and Oracle performance specialist, I provided a wide range of database management and consulting services for highly-available terabyte-sized Oracle 10g RAC databases belonging to some of the biggest retailers and airlines in the world.

- ✓ *Improved e-commerce website availability and saved hundreds of thousands of dollars in revenues by solving complex database performance problems.*

### Lead Oracle DBA, Intacct, San Jose, CA

Feb 2004–Sep 2005

Oracle 10g, Oracle 9i, Linux

Intacct is a fast-growing provider of web-based ERP solutions. As a Development DBA and Oracle performance specialist, I provided 24x7 support for mission-critical Oracle databases used by more than 2000 customers of Intacct all over the world. Other duties included database installation, upgrades, patches, backups, and maintenance.

- ✓ *Postponed over \$100,000 in capital investment and labor costs by extending the life of the production platform through Oracle performance tuning.*

**Solution Architect/DBA Manager, Corio, San Carlos, CA****Apr 1999–Apr 2003**

Oracle 9i, Oracle 8i, Oracle 8, SQL Server 2000, Solaris 8, AIX 4.x, HP/UX 11.x, Windows 2000, NT 4.0, Peoplesoft 8, Oracle Applications 11i, Siebel 2000, ERP, CRM, Data Warehouse

Corio—now part of IBM—is a leading IT service provider. I started as the Database Architect in a three person solution architecture team which included the System Architect and the Application Architect. I then progressed to DBA Manager and managed a geographically dispersed team of database administrators providing 24x7 services for more than five hundred Oracle and SQL Server database instances for about one hundred customers of Corio. The application portfolio included Peoplesoft 8, Oracle Applications 11i, and Siebel 2000 on the Oracle/Solaris, Oracle/NT, SQL Server/NT, and other platforms.

- ✓ *Saved an estimated \$1,000,000 annually and postponed an equal amount in new capital spending by consolidating a large number of databases onto a smaller number of computers.*
- ✓ *Saved an estimated \$150,000 in annual labor costs by creating an innovative infrastructure for centralized database management.*
- ✓ *Saved an estimated \$150,000 in annual labor costs by developing patented methods of automating database cloning.*

**Senior DBA, EDS, Napa, CA****Oct 1996–Mar 1999**

Oracle 7, AIX 4.x

EDS—now part of HP—is a leading provider of I.T. consulting and outsourcing services. I had primary responsibility for a portfolio of more than 60 production Oracle database instances. I was also a technical consultant on other RDBMS technologies such as Ingres, DEC/Rdb, SQL Server, and Sybase and served on the Change Control Board.

Major projects included migration of Data Warehouses from legacy environments to the Oracle/Unix platform. Day-to-day activities included database audits, capacity planning, documentation, performance monitoring, performance tuning, and change migration.

- ✓ *Created accurate reports of database license usage for one of the world's largest manufacturers of personal computers, saving over \$100,000 in license costs by eliminating double counting of database users.*

**DBA, Intel, Santa Clara, CA****Nov 1994–Sep 1996**

Ingres, DEC/Rdb, DEC/DBMS, Unix, VMS

Intel is the industry leader in microprocessor manufacturing. I was the Database Administrator for relational as well as non-relational database management systems at Intel's factory in Santa Clara.

Duties included 24x7 support of factory critical applications, performance tuning, supervision of contractors, participation in Intel-wide focus groups, vendor management, system integration, project management, logical and physical database design, and user requirement analysis.

- ✓ *Created a package of database performance graphs that became an Intel-wide standard and revealed multiple opportunities for database tuning.*

## Publications

|         |                |   |
|---------|----------------|---|
| Q2 2011 | NoCOUG Journal | Multi Dimensional Clustering (MDC)                  |
| Q1 2011 | NoCOUG Journal | SQL 101: Which Query Is Better?—Part III            |
| Q4 2010 | NoCOUG Journal | SQL 101: Which Query Is Better?—Part II             |
| Q3 2010 | NoCOUG Journal | SQL 101: Which Query Is Better?—Part I              |
| Q2 2010 | NoCOUG Journal | I Heart Recursive Common Table Expressions          |
| Q1 2010 | NoCOUG Journal | Not the SQL of My Kindergarten Days                 |
| Q4 2009 | NoCOUG Journal | SQL Blog  |
| Q3 2009 | NoCOUG Journal | First International NoCOUG SQL Challenge            |
| Q2 2009 | NoCOUG Journal | One Picture Is Worth Ten Thousand Words             |
| Q1 2008 | IOUG Journal   | Optimal Query Execution Plans: An Impossible Dream? |
| Q4 2007 | NoCOUG Journal | Oracle Annoyances for Geeks (Deadlocks)             |
| Q3 2007 | NoCOUG Journal | Peekaboo (Bind Variable Peeking)                    |
| Q2 2007 | NoCOUG Journal | The Impossible Dream                                |
| Q1 2007 | NoCOUG Journal | Lies, Damned Lies, and SQL                          |
| Q4 2006 | NoCOUG Journal | SQL Sucks Part III                                  |
| Q3 2006 | NoCOUG Journal | SQL Sucks Part II                                   |
| Q2 2006 | NoCOUG Journal | SQL Sucks Part I                                    |
| Q1 2006 | NoCOUG Journal | It Was a Dark and Stormy Night (Deadlocks)          |
| Q4 2005 | NoCOUG Journal | No Free Lunch (Read Consistency)                    |
| Q3 2005 | NoCOUG Journal | Ratty SQL Part II                                   |
| Q2 2005 | NoCOUG Journal | Ratty SQL Part I                                    |
| Q1 2005 | NoCOUG Journal | The Hobgoblin of Little Minds (Serializability)     |
| Q4 2004 | NoCOUG Journal | Oracle 10g Upgrade Experiences                      |

## Presentations

|          |           |  |
|----------|-----------|--|
| Apr 2012 | IOUG      | Database Performance Visualization Using Statspack or AWR                              |
| Feb 2011 | RMOUG     | 52 Weeks in the Life of a Database   |
| Oct 2010 | OpenWorld | Explaining the EXPLAIN PLAN  |
| Sep 2010 | AIOUG     | 52 Weeks in the Life of a Database   |
| Sep 2010 | AIOUG     | SQL 101: Interpreting Query Execution Plans  |
| Sep 2010 | AIOUG     | SQL 101: Recursive Common Table Expressions  |
| Aug 2010 | NoCOUG    | 52 Weeks in the Life of a Database   |
| Apr 2010 | IOUG      | SQL 101: Recursive Common Table Expressions  |
| Apr 2010 | IOUG      | SQL 101: Interpreting Query Execution Plans  |
| Feb 2010 | RMOUG     | SQL 101: Recursive Common Table Expressions  |
| Feb 2010 | RMOUG     | DBA 101: In Defense of Statspack   |
| Feb 2010 | NoCOUG    | Recursive Common Table Expressions   |
| Aug 2009 | NoCOUG    | DBA 101: Interpreting SQL Query Execution Plans  |
| Jun 2009 | ODTUG     | Xtreme SQL Tuning: The Tuning Limbo  |
| May 2009 | IOUG      | Xtreme SQL Tuning: The Tuning Limbo  |
| Feb 2009 | RMOUG     | Best Practices for Oracle Database Administration                                      |
| Feb 2009 | NoCOUG    | Best Practices for Oracle Database Administration                                      |
| Oct 2008 | TCOUG     | Xtreme SQL Tuning: The Tuning Limbo  |
| Oct 2008 | TCOUG     | Deadlocks for \$1000: Let's Play Jeopardy  |
| Nov 2008 | NoCOUG    | Xtreme SQL Tuning: The Tuning Limbo  |
| Apr 2008 | IOUG      | Optimal Query Execution Plans: An Impossible Dream?                                    |
| Apr 2008 | IOUG      | Stop Doing Transactions Wrong!   |
| Apr 2008 | IOUG      | Oracle Annoyances for Geeks: Deadlocks and Livelocks                                   |
| Feb 2008 | NoCOUG    | Oracle Annoyances for Geeks: Deadlocks and Livelocks                                   |
| Feb 2008 | RMOUG     | Oracle Annoyances for Geeks: Deadlocks and Livelocks                                   |
| Feb 2008 | RMOUG     | Optimal Query Execution Plans: An Impossible Dream?                                    |
| May 2007 | NoCOUG    | The Hunt for Killer Skew   |
| Mar 2007 | Hotsos    | SQL Sucks!   |
| Aug 2006 | NoCOUG    | SQL Sucks!   |
| Aug 2005 | NoCOUG    | Serializability: The Hobgoblin of Little Minds?  |
| Feb 2005 | NoCOUG    | A Structured Approach to Database Administration Using the Principles of ITSM and ITIL |

## References

*"Iggy was a wonderful manager who really cared about his subordinates. He was always available to help in professional and even personal issues if one needed it. He has a profound understanding of theoretical and practical aspects of relational databases and always comes up with succinct and easy to understand explanations. He is very creative and thorough in problem solving and helped us devise novel solutions to the problems encountered in application management."*—Ravi Kulkarni, Lead Oracle Apps Admin, IBM reported to me at Corio

*"I wouldn't comment on Ignatius's technical competencies here rather his managerial strengths and one of them was that he was a great listener. Even though he is an oracle expert yet he listened to our ideas patiently and then shared his thoughts on the issue. He never tried to impose his thoughts on any of the team members. I would definitely love to work with Ignatius again."*—Parvesh Kumar, Oracle DBA Team Lead, IBM reported to me at Corio

*"I have rarely had a manager of the caliber of Ignatius Fernandez. Iggy provided constant leadership, guidance, knowledge, and advice. He helped set goals, promoted thinking 'out of the box' to solve problems and to improve existing processes. Ignatius always maintained the proper balance between hands on and hands off management, which truly made for an enjoyable productive atmosphere."*—David Bodine, SQL Server DBA, Corio reported to me at Corio

*"Iggy was a manager with a deep understanding of the DBA team's place among other teams and in the whole enterprise hierarchy. He had the ability to implement his vision on how to improve the team and get benefits for a company. He liked to promote achievements of team members across the board. That all is combined with very clear technical knowledge and skills and love for learning, innovations, and sharing knowledge."*—Yury Tomashevich, Technical Manager, Oracle Applications and Database Administrator, IBM reported to me at Corio

*"Iggy and I worked together at Verizon Business. I could always count on him for rock-solid execution of both complex and routine DBA activities. I also relied heavily on his seniority, depth of knowledge, and leadership abilities to help guarantee consistent delivery from the other DBAs in the Operations Center. My clients love him. Everyone knew that when Iggy was on-shift, DBA jobs would get done correctly. Perhaps this is the most important measure of all."*—Brian Squibb, Account Manager, Verizon Business, worked with me at Verizon Business

*"Iggy is an excellent, detail-oriented, comprehensive DBA. When database issues are encountered, Iggy resolves the problem in full, documents the issue and resolution completely, and makes cogent recommendations for avoiding such issues in the future. Overseeing as many diverse database environments as he does, in a time-sensitive, operational environment, this is essential—and Iggy excels in that environment."*—John Paulsen, Account Manager, Verizon Business, worked with me at Verizon Business

*"As a Senior DBA with Verizon Business, Iggy has done an outstanding job over the past year or so in providing technical Oracle DBA support for my primary client, Sony Electronics. He has been invaluable in providing them with feedback in tuning the database for sonystyle.com. In addition, he has a great personality and ability to deal calmly and effectively with difficult employees. Should Iggy choose to leave Verizon Business, it will be a tremendous loss to us, but an incredible gain for the company that is lucky enough to hire him. I highly recommend Iggy as a highly qualified Oracle DBA!"*—Kim Wasung, Account Manager, Verizon Business, worked with me at Verizon Business

*"Ignatius is an extremely hardworking and intelligent DBA. His diligence to work is exemplary and my accounts were always satisfied with his service delivery. His calm demeanor is a welcome break in customer-facing pressure situations."*—SK Panda, Account Manager, Verizon Business, worked with me at Verizon Business