



CURRICULUM VITAE - TOBIAS BONDESSON

Senior Principal Oracle Database Specialist and Software Engineer

Born: 1978

Driving license: A

IT- Experience since: 2004

ORACLE Certified Professional ORACLE Certified Associate

Profile

Tobias started his Software Engineering and Computer Science career in 1999 at Blekinge Institute of Technology. With 11 years of experience he is today recognized and awarded with Ericsson "The Most High Performing Employee" (2008). Tobias is an Oracle Certified Professional (OCP) (2008), deeply specialized in the Oracle database, and sometimes referred to as the Master of Tracing. In January this year (2010), Tobias was appointed Revenue Management Representative for the Joint World Technical Forum (JWTF) between Ericsson and Oracle. Since 2006, Tobias is the leader of the Global Critical Emergencies and Escalations Team (GCE&ET) for more than hundreds of world leading telecommunication operators.

Besides the deep Oracle database knowledge and experience, Tobias is also an excellent and proficient C, C++, and Java developer.

In essence, Tobias has:

- Outstanding Communication Skills
- Business Understanding
- Management Skills
- Excellent DBA and Developer Skills

1. Major Contributions and Achievements

- Exceptional, Rare, and Unique Key Competencies
- Central Consultative Role (Educator)
- Main Contributor to Increased Product Quality
- Main Contributor to Source Code Diagnostics and Instrumentation Frameworks
- Principal Key Knowledge Contributor to Emergencies and Escalations Team
- Key Support Engineer and Coordinator
- Contributor to Dynamic Simulated Workload Principles
- Primary Organizational Interface and Dispatcher for Technical Engagements

- Main Product Quality Auditor and Initiator
- Founder of Best Practice Strategies and Principles

2. Background

After one year of studies at the ancillary natural science program at Blekinge Institute of Technology (1999), Tobias started the Software Engineering Program (2000) at the same university. In 2004, after completing the Master's Thesis, Tobias was hired as a Software Engineer at Ericsson. Soon, Tobias became responsible for simulator development (highly advanced simulators for telecommunications traffic). Tobias then moved on to database development and administration. He became the main hybrid DBA, global support technical leader, and team coach.

3. Work experience

3.1 Ericsson

(2004)

- Revenue Management Representative
- Global Critical Emergencies and Escalations Support Team Leader
- Single Point of Contact
- Oracle DBA
- Coaching and Consulting
- Software Engineering (C, C++, and Java with OSGI Technology)

3.2 The Medical P2p Project

(2003)

3.3 Cap Gemini Ernst & Young

(2002)

3.4 Individual Contracting

(2001)

4. Certifications

- OCP (Oracle 10g Certified Professional) (2008)
- OCA (Oracle 10g Certified Associate) (2007)

5. Education

5.1 Principal Areas (Current)

- Migrating from Black Box to Focused Engineering
- The Gains and Pains of Prolonged Software Maintenance
- Faster Analysis: Global and Immediate Oracle Hanganalyze
- Data Guard Diagnostics
- ETE Troubleshooting with Limited Code Instrumentation
- Light Weight Bug Diagnostics and Defects Engineering
- The Extreme Challenge of Automated Upgrades and Downgrades
- Backup and Recovery: The Criticality of RESETLOGS
- Checkpoint Not Complete: The Importance of Optimally Sized Redo Logs

- Switchover and Failover Best Practices: The Importance of Preparation
- Data Guard: From the Ground Up
- Lock Diagnostics

5.2 Seminars, Conventions, And Additional Colloquium

- Improving Agile: Finding a Team Balance (2010)
- Oracle Database 10g R2 RAC Administration (2009)
- The Software Coach: Teaching Principles (2009)
- Oracle Internals: Assertion Macros, Stack Tracing, and 10046 (2008)
- Escalation Principles: The Essence of True Cooperation (2007)
- Oracle 11g New Features For Administrators (2007)
- Data Guard: Automation and Fault Detection (2006)
- PL/SQL Programming with Steven Feuerstein (2006)
- Oracle Database Administration Workshop II (2006)
- Data Guard: Combining RAC and ASM with a Logical Standby (2006)
- Oracle Database Administration Workshop I (2005)
- Advanced Restore and Recovery: Scenario Evaluation (2005)
- RMAN Backup and Recovery Optimization (2005)
- Configuration Review Best Practices using STATSPACK (2005)
- Advanced C++ Programming, Gothenburg (2004)
- C++ Fast Protocol Notification: Internal IPC (2004)
- Project Management using Daily Standup Meetings (2004)
- Statistics Principles of Telecommunications Traffic Simulation (2004)

5.3 University - Blekinge Institute Of Technology

- Degree: Master of Science (MSc) in Software Engineering (2004)
- Program: Ancillary Natural Science (1999)

5.4 Military Service

- Combat Boat Engineer and Machine Technologist,
- Amphibious Battalion, 3rd Coastal Rangers Squad, Karlskrona (1998)

5.5 High School

- Social Science and Economics, Söderportskolan, Kristianstad (1997)
- Database Technology (Oracle)
- Software Engineering
- Coaching, Consulting, and Support

6. Area Of Expertise

6.1 Oracle Database

- Oracle Database 8i, 9i, 10g, and 11g

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- Oracle OCI and OCCI
- Real Application Clusters, Clusterware Software, and ASM
- Backup, Recovery, and Performance Tuning
- Corruption Issues
- MAA – Maximum Availability Architecture
- Data Warehousing (DWS)
- Installations, Upgrades and Downgrades
- Database Administration and Maintenance
- Database Tools and Utilities
- Database Export and Import (ETL)
- ORA-00600 / 007445
- Oracle Internals

6.2 Database Technology

Tobias has started broadening his competence areas to also include:

- MS SQL Server
- HyperSQL (HSQLDB)

6.3 Software Engineering

- Requirements Engineering and Requirements Analysis
- User Stories Requirements Engineering
- Software Analysis, Design, and Programming
- UML / RUP
- C/C++
- Multi-Threading Technology
- Java
- OSGI
- SQL
- PL/SQL
- Perl
- Shell Scripting
- Operating Systems
- Sun Solaris
- Linux
- Windows
- Compilers, Parsing, and Translation Theory
- Computer Networks and Networking
- TCP/IP
- Real Time Systems and Real Time Programming
- Software Testing, Verification, and Validation
- Human Computer Interaction (HCI)
- Systems Engineering and System Architectures
- Advanced Simulator Development
- Software Engineering Research and Methodologies

- Project Management with Scrum and Agile

6.4 Coaching, Consulting, And Support

- Principal Knowledge Sharing and Oracle Training for Engineers
- Procedure Evaluation and Communication Improvements
- Fault and Problem Breakdown Strategies
- Software Architecture Decision Evaluation
- Improvement Driven Software Engineering
- Fault Diagnostics Training and Engineering

6.5 Applications, Tools, and Systems

- UltraEdit
- nedit
- IBM Rational Rose
- IBM Rational ClearCase
- Enterprise Architect
- IntelliJ IDEA
- NetBeans
- Eclipse
- vi
- Visual Studio (Visual C++)
- Subversion (SVN)
- Toad
- SQL Developer
- SchemaSpy
- Ethereal
- Ant
- EMC
- Sun StorEdge
- Sun MC
- CC
- GCC
- g++

7. Current Research, Books, And Publications

- Rebuilding Indexes: Beyond the Myths (Current)
- Modularization vs. Simplicity (Current)
- Oracle vs. SQL Server (Planned)
- Software Engineering Education Improvement:
- An Assessment of a Software Engineering Program (2004)

8. Awards And Professional Memberships

8.1 Awards

- Highest Performing Software Development Unit (2009)
- Most High Performing Employee (2008)

8.2 Memberships

- WJTF (World Joint Technical Forum) (2010)
- CCG (Coaching and Consulting Group) (2008)
- GCE&ET (Global Critical Emergencies and Escalations Team) (2006)

9. International Assignments

- TURKCELL, Ankara and Istanbul, Turkey (2008)
- BHARTI, New Delhi, India (Offered)
- ETISALAT, United Arab Emirates, Ras Al Khaimah (Offered)
- ORACLE, Boston, Massachusetts, USA (2006)
- ORACLE, San Francisco, California, USA (2006)

10. Language Skills

- Swedish (Mother Tongue)
- English (Excellent)
- French (Beginner)
- German (Beginner)
- Danish (Fair)
- Norwegian (Fair)

11. Contact

Please contact Bo Gärdmark at Agnitum Information Technologies AB for any assignments. You can reach Bo at: + 46 (0) 709 92 96 00 or via email: bag@agnitumit.se

12. References

All references are available and provided upon request.

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