

Donald Windrem

Technical Project Manager

Technical Team Lead

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experience in Oracle Engineering, Architecture and Automation.

PROFILE

- 8+ years of experience leading small development teams.
- 3+ years DevOps



- Recent development experience with Python, Django, Oracle PL/SQL, MySQL, Linux Shell, Java, JavaScript, HTML/CSS, as well as others.
- Experience working with Global, multicultural agile development teams.
- Comfortable in both a Windows and Linux/Unix development environment.
- Hundreds of hours of formal training in Python, Oracle, Project Management, Agile Development and others.
- References available upon request.

WORK EXPERIENCE

UBS Global (Aug 2015 – Aug 2018)

Associate Director - **Remote worker based in Weehawken, NJ**

AD for Global Oracle Engineering group. The group is responsible for all aspects of DevOps automation of Oracle DBaaS environment including strategy, design, engineering, development and support at UBS worldwide. This includes infrastructure, setting up automated processes for provisioning databases, deployment of upgrades and patches, backups, Golden Gate and Standby databases, user maintenance as well as other common DBA tasks. My responsibility was to manage the effort to automate the migration of databases from our Legacy environment of thousands of Oracle 9, 10 and 11 databases on RedHat Linux and Solaris VMs and servers to our DBaaS environment of Oracle ExaData servers and ODAs. We used Oracle OEM Deployment procedures and Hewlett-packards Database and Middleware automation tools for the bulk of migration processes. We coded in Linux Shell, Python / Jython, AWK, PL/SQL as well as others.

My responsibility was to manage the effort to automate the migration of databases from our Legacy environment of thousands of Oracle 8, 9, 10 and 11 databases on Windows, RedHat Linux, Z-Linux and Solaris VMs and servers to our DBaaS environment of Oracle ExaData servers and ODAs. We used Oracle OEM Deployment procedures and Hewlett-Packards Database and Middleware automation (DMA) tools for the bulk of migration processes. We coded in Linux Shell, Python, AWK and SED, PL/SQL as well as others. XML and Oracle database was used heavily as well. This automated process handled:

- Checking legacy databases for DBaaS and UBS compliance. UBS had hundreds of prechecks from acceptable character sets to sizing and memory limits, job limits, PGA/SGA compliance parameters, etc...
- Once compliance was verified, databases could be scheduled to be created (production and QA2 environments) or created immediately.
- Data was migrated to the new DBaaS database automatically. The data migration process also had hundreds of pre-checks and warnings to ensure database consistency.
- Once data migration was complete, the process performed consistency checks to ensure all data and objects were migrated.
- Data migrations could run multiple times before signing off on the migration as complete. Once complete, the database was marked as ready and the legacy database was shutdown.
- We also had automated processes for allocating more/less memory, automating backups, storage requests, feature additions, on demand replicas and more.
- We also were working on a version that would perform Oracle to SQL Server migrations.

UBS Financial (April 2012 – Aug 2015)

Lead Associate - Weehawken, NJ and Remote

Lead Associate and Team lead in the ServiceWorks group working mainly with Oracle Databases, Java and Python. ServiceWorks was the Wealth Management US groups (17000+ daily users) in house service requests tool that handled all request types from the branches including but not limited to employee parking, client contact management, building maintenance requests, trading, HR requests, employee inquiries and more. Lead Associate and Team lead in the ServiceWorks group working mainly with Oracle Databases, Java and Python. My responsibilities and successes included:

- Converting the poorly designed database based on Materialized Views into regular views. The database designers used materialized views to fix various performance issues rather than correcting the underlying database design issues. We reworked the DB Model tables and used views, triggers and packages to improve performance further.
- Handling the design coding and maintenance of all data handling packages and stored Procedures within the ServiceWorks Schemas.
- General database performance tuning.
- Maintenance of JSP Service Request list pages.

UBS Financial (Aug 2006 – Apr 2012)

Weehawken, NJ and Remote

Lead Associate and Team lead in the HR group working mainly with Oracle, SQL Server and MySQL Databases and Adobe ColdFusion and well as Linux Shell. Responsibilities included:

- Designed, coded and implemented a JSP application with an Oracle database back-end to handle parking and car registration requests at all UBS branches. The application also handled sending deduction information to the ADP payroll application, searches and reports based on several criteria including name, location, license plate as well as others.
- Payroll time reporting web application (TRaX) written in Adobe ColdFusion and javascript with an Oracle backend. This application allowed users to enter their timecard information on a weekly or bi-weekly basis and included reporting and interfacing to the UBS mainframe payroll system as well as the ADP payroll application. This application, like many time reporting systems had hundreds of real time checks and back end tests written in both javascript and CFML
- Credit account reporting and monitoring (CRMS) application for Corporate credit and margin accounts. This application was written in ColdFusion and JavaScript with an MS SQL server back-end. Application included reporting for monthly margin checks, credit monitoring, account information and allowed users to setup limits and warning to be shown on reports and allowed users to be emailed reports if certain criteria were met such as accounts over their margin limits.

Lenox Inc (Apr 1991 – Aug 2006)

Lawrenceville, NJ

Various positions including Programmer, Programmer/Analyst, Lead Developer and Oracle engineer.

- **(1991 - 2000)** Worked with RPG and COBOL on IBM I-series as well as DB2 on I-Series. Supported various in house shipping and warehousing applications including interfacing with external retail customers such as Federated Department stores and JCPenney and shipping partners such as USPS and UPS. We also worked with and supported external vendor software packages including PkMS warehouse management system and JD Edwards financial system
- **(2000 - 2006)** ColdFusion, JavaScript and Oracle developer working on RockBlocks international purchasing and shipping application as well as an in-house built Data Mart to handle reporting and analysis of international purchasing, HTS and customs information, containerization and shipping performance as well as cost analysis across the entire lifecycle.
- ColdFusion, Oracle and Java/JavaScript development on RedHat Linux and Solaris servers and VMs

EDUCATION / TRAINING

I am a strong believer in training, but a bigger fan of training with a purpose. With the courses I have taken over the years, the training that always stuck with me is the training that was done for a specific job task or for topics I would be able to put to use immediately. As best as I can put together, here is my training history:

- **(1991–1996) Middlesex College - A.S. degree in Computer Science**
- **(1991)** IBM AS/400 development - 5 days - IBM Palisades Conference Center Palisades, NY
- **(1991)** IBM AS/400 RPG for COBOL developers - 5 days - IBM Palisades Conference Center Palisades, NY
- **(1992)** IBM AS/400 Advanced RPG development - 4 days - IBM Palisades Conference Center Palisades, NY
- Lenox China purchased a Learning Tree 8 course pass to be used in 1999.
 - **(1999)** MacroMedia ColdFusion 4.0 - 5 days - Learning Tree Center NYC, NY
 - **(1999)** Oracle Database 8i PL/SQL - 5 days - Learning Tree Center NYC, NY
 - **(1999)** Oracle 8i Stored Procedure and Function Development - 5 days - Learning Tree Center NYC, NY
 - **(1999)** Web development with HTML, CSS and JavaScript - 4 days - Learning Tree Center NYC, NY
 - **(1999)** MacroMedia ColdFusion 4.5 Advanced - 5 days - Learning Tree Center NYC, NY
 - **(1999)** Project Management for Software Development - 5 days - Learning Tree Center NYC, NY
 - **(1999)** Agile Software Development - 4 days - Learning Tree Center NYC, NY
 - **(1999)** Advanced Linux Shell scripting - 4 days - Learning Tree Center NYC, NY
- **(2001)** Advanced Oracle Database 9i development - 4 days - Oracle Woodbridge, NJ
- **(2001)** Oracle Database 9i administration - 5 days - Oracle Woodbridge, NJ
- **(2002)** What's new in Oracle 9i developers edition - 2 days - Oracle Woodbridge, NJ
- **(2003)** What's new in Oracle v9r2 developers edition - 2 days - Oracle Woodbridge, NJ
- **(2006)** Middlesex County College - Web developer certificate
- **(2006)** What's new in Oracle v10r2 developers edition - 1 day - UBS Weehawken, NJ
- **(2007)** Advanced ColdFusion 7.0 - 3 day - UBS Weehawken, NJ
- **(2010 - 2014)** Took several online courses in both Raspberry Pi and Python development
- **(2012)** John C Maxwell Method Training - 5 day - UBS Weehawken, NJ
- **(2015 - 2019)** O'Reilly Safari Books online subscriber, Recent courses include:
 - Django by example online course by Antonio Mele
 - AWS Up and running online course by Bill Boudin
 - Hands on Machine Learning with Python online course by Matt Harrison
 - R Programming learning path with Olgin Aydin and Vincenzo Lomonaco