# Avinash Mishra PMP, OCP, ITIL, MCPD

[avinash.mishra@gmail.com](mailto:avinash.mishra@gmail.com) / (571)332-4693

## Professional Summary

* Over 14 years of progressive IT experience encompassing techno-functional analysis, system architect, and software design and development.
* Over 6 years of experience as Oracle Database Administrator supporting Oracle 10g/11g environments on Red Hat Linux and Windows platforms.
* Over 5 years of experience in Data Warehousing, Business Intelligence, Data Integration and Migration involving Informatica PowerCenter and Oracle Database.
* Proven knowledge of Dimensional and Entity-Attribute-Value (EAV) models and all aspects of data warehousing lifecycle, including physical database design & data staging (ETL) design, and end-user application development and deployment.
* Experienced in Oracle Database and Informatica PowerCenter/PowerExchange performance tuning techniques.
* Extensively skilled in Informatica PowerCenter, Oracle, PL/SQL, VB.Net, C#.net & ASP.Net, PowerBuilder and Informatica PowerExchange.
* Worked closely with the Business Development team and wrote the technical approach for several proposals/bids.
* Excellent communications and interpersonal skills.

**Technical Skills**

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| Data Integration/ETL Tool | Informatica PowerCenter 8/9, Informatica PowerExchange 8.x, PL/SQL & Shell Scripting. |
| Databases | Oracle 10g/11g, MS SQL Server 2005/2008, MS Access |
| OS’s/VM’s | Windows, Linux (Red Hat 4/5), VMWare (vSphere) |
| Tools (Versioning/Reporting/Others) | VS 2008/10, Fortify, ERwin, Business Objects X1, Crystal Reports, PowerBuilder 9/10, TFS, SVN |
| Languages | C#, VB.Net, PL/SQL |

# Professional Experience

Lead Enterprise Application Developer PSI, Inc. Nov’07 – Present

* As a Technical Lead for CCQAS (Centralized Credentials Quality Assurance System), responsible for setting up and maintaining Development, Test and SQT environments on a mixture of Red Hat and Windows severs running in a Virtualized environment (VMware). Re-architected several modules (Credentialing, Adverse Actions, Risk Management and Reports) to improve Classic ASP performance and mitigate Fortify findings.
* As the in-house Informatica Expert, responsible for the setup and maintenance of the Informatica environment, Architecture and Design of the Data Migration (ETL) process for the Blood Donor and Transfusion projects. Provided technical guidance to team members in developing Mappings and Workflows. Responsible for administration of Informatica PowerCenter/PowerExchange including creating folders, managing user and group access for several projects.
* Played a vital role in the successful implementation of a Large Clinical Data Mart (15+ TB) for the Military Health System severing Army, Navy, Air force and Coast Guard which included a state of the art enterprise Clinical Data Mart based on a combination of Fact/Dimension and Entity-Attribute-Value (EAV) model to support 25+ billion rows in a single fact table. Successfully implemented state of the art solution as a proof of concept for change data capture (CDC), a near real-time data replication between AHLTA CDR and the CDM using Oracle Redo Logs, Oracle Log Miner and Informatica Power Exchange.
* Designed and implemented the performance improvement framework for the Clinical Data Mart (CDM) project using Oracle Pipeline functions and Oracle Partition exchange, thereby drastically improving the performance by more than 500%.
* Developed strategies to load large volumes of historical data into the CDM data warehouse using UNIX shell scripting to slice large files.
* As a senior member of the team for the HART-2B (Health Assessment Review Tool) project, Created and modified Oracle PL/SQL Stored procedures to help improve the data extraction process between CDR and CDM from several days to less than 8 hours. Used AHLTA to reverse engineer CDR data elements required for the extract process.
* Worked to help develop various testing strategies for the CDM initiative including developing Unit Test and Integration Test cases.
* Authored development guidelines, templates and standards for use by the teams across several projects.

Senior Systems Engineer Zenlogics Holdings, Inc. Jan’03 – Sep’07

* As a Team Lead, Successfully managed the TPOCS system for MHS for over 5 years and successfully implemented various initiatives like Health Insurance Portability and Accountability Act (HIPAA), National Provider Identifier (NPI) and E-billing.
* As a Techno-Functional expert for the TPOCS system, provided technical and functional guidance to the entire team.
* Managed and guided the Tier I, II and III TPOCS helpdesk support team consisting of more 20 people.
* Successfully designed and developed the billing system for TPOCS. Played the role of Configuration Manager for the Release and Management of all the rate tables associated with TPOCS.
* Successfully implemented the Health Insurance Accountability and Portability Act (HIPAA) for TPOCS which included the development of the 837 electronic messages (Professional and Institutional).
* Successfully implemented the electronic billing subsystem for TPOCS with NDC Health (Clearing House).
* Successfully implemented the Coding and Compliance Editor (CCE) module for TPOCS.

Programmer Analyst Astrum Contract Services Jan’01 – Dec’02

* Played an Integral part of the training team which helped train more than 405 personal representing around 125 sites across the globe.
* Part of the team responsible for the Oracle upgrade from Oracle 8i to Oracle 9i on the servers.
* Helped in the development and maintenance of the TPOCS Helpdesk website.

Programmer Pentafour Software and Exports Ltd Jul’99 – Jan’01

* Successfully deployed the Total Brach Automation (TBA) software at UCO Bank.
* Successfully deployed the Automatic Ledger Posting Machine (ALPM) software across 29 UCO bank branches in north India.
* Installed and configured the PentaBank software at client locations.
* Coordinated and successfully migrated legacy data from manual ledgers into the new system.
* Provided onsite user training at various UCO bank branches.
* Lead a team of 8 for the client side deployment of the PENTABANK software.
* Coordinated various activities between the bank and head office.

# Trainee Indira Gandhi Center for Atomic Research (IGCAR) Jan’99 – Jul’99

* Successfully transferred data from existing Dbase system to Oracle.
* Conducted system study with various users and department and documented the requirements.
* Developed several new reports.

# Education/Certifications

* Master of Science (M.S) in Software Engineering, West Virginia University, USA.
* Bachelor of Engineering (B.E) in Computer Science and Engineering, India.
* Project Management Professional training
* IT Infrastructure Library v3 training
* Informatica PowerCenter 8.x & Informatica PowerExchange 8.x training
* Oracle University Training (Performance Tuning 10g)