



Auriga Development Experience with Database technologies

Overview

A proven authority in software development, Auriga has been acclaimed worldwide for its skills in designing, developing and supporting high quality databases and applications heavily relying on data management. Auriga has earned a solid reputation for bringing exceptional value to its clients seeking cutting edge database development services through outstanding expertise of its engineering team, excellent technical resources, reliability and customer service.

The list of industrial database servers that our specialists worked with as a part of the customer projects includes MS SQL Server, Oracle, DB2, Sybase, MySQL, and PostgreSQL. The list of the accomplished database-related tasks includes:

- Database design
- Optimization of DB structure, queries, and stored procedures
- Development of ultra-high performance applications working with large volumes of data (> 100 GB)
- Data analysis, data cleaning, data consolidation
- Development of elaborated high performance report using Crystal Reports, MS Reporting Services, XF Rendering Server 2005/2007, Aspose, Jasper Reports, and in-house report building tools
- Data migration from Oracle and MS SQL Server to other DB servers and vice versa

Skills

Auriga engineers are experienced in using the following tools and technologies relevant to database development and management:

- ANSI SQL, PL/SQL and TSQL
- Oracle
 - Oracle 7.x, Oracle 8.x, Oracle 9i, Oracle 10g, all flavor of Oracle development tools
- MS SQL Server
 - MS SQL Server 7, MS SQL Server 2000, MS SQL Server 2005
- Sybase
- PostgreSQL
- MySQL
- DB2

- Microsoft OLAP Services
- Reporting Tools
 - Crystal Reports, MS Reporting Services, XF Rendering Server 2005/2007, Aspose, Jasper Reports

Database design and migration for Web-Based CRM Application

Auriga participated in a full life-cycle development of a Web-based CRM solution for industries with technically complex products and services, including database design and data migration. During the project the existing legacy database application was migrated to the designed QueWeb database whereupon the performance of this new database was optimized according to the customer's request.

Auriga's engineers demonstrated an excellent level of Oracle, MS SQL Server and DB2 knowledge. Multiple custom implementations of QueWeb CRM application including large-scaled data migrations (>100Gb) for Fortune Top 100 companies—John Deere, Sony Ericsson, Telcordia Technologies, HP and others,—were successfully completed.

Examination Planning and Execution System

Design, development and deployment of a powerful 3-tier web-enabled information system aimed at planning, scheduling, resources allocation, exams executing, results registration, test scores calculation, certifications and other reports printing etc:

- Project was done on Microsoft platform
- Data Access Tier (Database-centric Logic with a huge amount of highly optimized queries and stored procedures working with large MS SQL Server database);
- Business Logic Tier (.NET components are executed on a server side, web services API are provided);
- UI-tier (a comprehensive web interface, provides generating numerous complex reports)

The project is successfully completed. The application is a subject to quality-related regulations and provides ultra-high level of quality.