

Ropardo SRL Off Shore Services, Reengineering of ETL Process from Perl into J2EE!

Nearshore services

Technologies:
 Unix, J2EE, Web Logic,
 Vignette Portal, Oracle Database



About MGM-TP:

MGM Technology Partners is a reliable partner in the development and implementation of innovative IT solutions. In the past 12 years we have grown into a team of 160 highly qualified and experienced consultants. This allows us to manage large assignments with small and efficient expert teams.

Therefore we can offer our clients the entire bandwidth of technical expertise to optimize their business: the key to successful innovation is the seamless integration into existing business processes and existing IT architecture(s). More information at: www.mgm-tp.de

About Ropardo S.R.L.:

Innovation, Quality, Deliver on Time is our objectives since 1994 when Ropardo S.R.L. start as Technology Company based in Sibiu, Romania. Our expertise is in offshore software development, implementation of complex software solutions and maintenance of software/IT systems for word wide customers. Our services domains are: system and application development, business application, Web and e-business/eCommerce, software re-engineering, software test, maintenance and support.

More information at:
www.ropardo.ro

Client Challenge

The end customer requested the migration of an existing ETL application from Perl technology to J2EE technology. This decision was made in order to obtain a future-proof application based on standardized technologies.

The ETL application is used by a hardware vendor in order to process sales data from hardware resellers and it is integrated in the producer's CRM software.

Solution - Off Shore Development Center

Experience and technical expertise

Ropardo S.R.L. already had prequalified resources which are skilled in the particular IT domain that project required. They have worked on a large number of projects in the area, thus gaining long-time experience, which allows them to avoid downtime, since they have already encountered specific domain problems, have successfully dealt with them and have the answers ready.

Costs, shorter development time

Since were hired prequalified people, MGM-TP avoided the costs of having to train their own team to do the job. It also allows MGM-TP to save the time which would ordinarily invest in the training of the team.

Project Approach

The application needed to be built on J2EE technology using Vignette Portal as front end GUI and Oracle Database.

It had as main functionality data extraction and transfer to one of two customer proprietary formats. The data entry formats were 'comma separated values' or 'tab separated values' exported from MS Excel.

Where build a custom data load and translation module and an archiving component to store data in an Oracle 10g database.

The application had to conform to JSR Portlets specification and run on the UNIX platform.

After the development phase, Ropardo S.R.L. has delivered:

1. The component integrated in the portal in .war format
2. The web component in .war format
3. The stand alone backend component in .jar format
4. Instructions for installing and configuration of the database, the portal and the backend
5. Quality assurance process

Technologies on short

The following technologies were used:

J2EE , JDBC, Hibernate, JSP, Spring, JSR Portlets, WebLogic 9, Vignette Portal, IO Operations, Oracle 10g, Ant, Junit, Log4J, Quartz, PMD

“



Nearshore Benefits:

- Quality Custom Software Development
- End User Satisfaction
- Short time to market
- Quantifiable Value
- Guaranteed performance level
- Predictable cost
- Based on our specific business model we deliver high value at a good price.
- Flexibility

More Information

Ropardo S.R.L.
Mr. Claudiu Zgripcea
Reconstructiei 2^a
550129 Sibiu
www.ropardo.ro
office@ropardo.ro
Tel. +40 269 231 037
Fax +40 269 231 037

Project Management

The project team had four members – one from the German partner and three Ropardo S.R.L. staff.

The project was developed over 6 months and the total work volume was over 19 MM for phase 1. Ropardo S.R.L. team was formed by experienced persons in project domain as well with good communication skills.

German partner insured project management at level of macro planning – mile stones – organized second level for testing of solution in Germany and as customer contact point was involved together with our technicians in planned checkpoint meetings.

The Ropardo S.R.L. team insured the study and reengineering process of the existing application and definition of requirements, defining the application architecture, software development and testing (quality assurance).

Communication by email, instant messenger and telephone had a daily frequency in the first stages, than weekly reports/discussions were scheduled. When needed face to face meetings in Sibiu or Germany were organized.

Technologies

JSP was the view technology used for user interaction within the portal and web application.

Spring was used as J2EE MVC application framework to provide centralized, automated configuration and wiring of the application components: clean assembly of used view technology (JSP) (presentation layer), transformation logic (business logic layer), database access (persistence layer).

The application was integrated with WebLogic 9 application server and Vignette Portal.

Data was loaded to an Oracle 10g data warehouse.

JDBC and Hibernate were used for ORM (Object Relational Mapping) integration with Oracle database.

Log4J was used for application logging.

Ant was used for build process automation.

Junit was used for unit testing.

Quartz was used as the scheduling engine in the testing phase for timing and job management.

PMD was used for source code quality assurance.

SVN was used for code management