

Jana Parvanova

Contact: Mobile +359 (88) 8360151, E-mail: jana@sirma.bg

Key Qualifications

More than 11 years full-time work experience in IT. Strong technical background: client/server and web-based application development; project management; object-oriented design and analysis; database design; business applications development. Mrs. Parvanova has experience with:

- **Application servers:** Apache Tomcat, JBoss, WebLogic
- **Technologies:** J2EE (servlets, JSP, JDBC, RMI, EJB); HTML, DHTML, Javascript; XML, XSL, XSLT, XML Schema.
- **Computer languages:** Java
- **Databases:** data analysis, modeling, schema development; Oracle, Microsoft SQL Server, IBM DB2, MySQL, PostgreSQL
- **Requirements:** business analysis, modeling, specification, use cases, requirements-based test planning
- **Project management:** RUP, Scrum

Education

09/93-06/98 **MS in Computer Science, University of Sofia, Bulgaria**

Employment Record and Major Projects

2000-now Project Manager, Sirma Group Corp., Sofia, Bulgaria.

02/11-now **Chief Technology Officer at Sirma ITT**

Sirma ITT is a part of Sirma Group Corp. It has more than 30 permanent employees and specializes in complex SOA solutions.

Responsibilities: Oversee all projects planning, architecture, implementation, quality measures and software development process.

Evaluate new technologies and take decisions on long-term technological strategies.

Plan resources and coordinate cross-project activities and trainings.

Assist business development managers with technical solutions.

01/09-01/10 **Export Control System phase 2 (ECS2)**

ECS 2 is being developed in the frame of the EU Electronic customs initiative aiming to modernise the EU Customs Code and to introduce an electronic, paper-free customs environment in the EU. ECS 2 will be applied to satisfy the requirements stipulated in the so-called "security amendment" to the Community Customs Code (Regulation (EC) No 648/2005). ECS Phase 2 is the second phase of the Automated Export System. ECS Phase 1 applied to the movement of goods released for export and moving as one consignment, exported via another Member State. In addition to the exchange of information in an electronic form from the Office of Export to the Office of Exit and vice-versa it will introduce the exchange of summary declaration information and related risk analysis results.

Technologies: J2EE; JSF, JSP, XML; EJB 3.0; Application Server (JBoss Application Server), JBoss jBPM, Informix, object oriented, multi-tier, web-based, centralized solution. JUnit, Ant, Hudson

Responsibilities: Chief of software development; Leading 25 developers in 5 teams and 6 QAs. Responsible for architecture decisions and all software development. Working against very strict deadlines for releases, compliance tests and deployment. Coordinating development with business analysis team and clients. Managing changes in requirements and specifications.

05/08-01/09 **Safari Books Online**

Safari Books Online is a system that manages office data such as account entities, persons, portals and all other business objects related to Safari Books Online Company. The system consists of back end part based on MySQL, hibernate. The front end is based on JSP, servlets, Ajax , JavaScript ,CSS. It is a dynamic interface, which allows users to view, edit, create and search all types of business objects, to check relations between those. Custom components based on JavaScript allow users to drag and drop search criteria columns, to split and resize the components, and to change the layout in order to customize the view.

Technologies: JSP, Ajax, Tomcat, Servlets, JavaScript,CSS

Responsibilities: Worked on the mobile site prototype. Evaluated existing data access API and documented needed changes and new features.

05/07-05/08 **Electronic Payment (SEP)**

The main goal of Web Service Gateway is to provide connectivity between different systems in SEP domain. It includes routing, transformation and mediation of messages exchanged between different systems. The base communication protocol in this system is SOAP/HTTP. Other transports were also implemented – JMS, FTP and Socket. WS-Security and WS-Policy was implemented as part of Apache Axis2 Rampart.

Technologies: Java 6, JBoss Application Server 4.2, JBoss messaging 1.3, Hibernate, Apache Axis2 1.3, JMS, Eclipse 3.3, Ant 1.7

Responsibilities: Team lead and developer for one-time password module and internet store mobile payment API and libraries; Team lead and developer for clients portal prototype.

12/06-05/07 **RecoveryPlanner (<http://www.recoveryplanner.com>)**

RecoveryPlanner is a business continuity and disaster recovery planning platform. It manages the complex process of creating and maintaining plans, operations and communications across the enterprise.

Technologies: AJAX, JavaScript, Ajax4jsf, JSF (MyFaces/Tomahawk/Sandbox), MySQL, Hibernate, SVN, JUnit, CruiseControl, ANT, Linux, Tomcat/Apache, eXtreme Programming (XP)

Responsibilities: Team lead for a team of 5 developers and 1 QA.

5/05-12/06 **Integrated information system for Speedy Ltd**

Comprehensive ERP system for Speedy, Bulgaria's largest courier service. DESY is a modern and sophisticated software system, intended to automate all business processes in one of the leaders in the express and logistics industry in Bulgaria - Speedy Ltd. The company owns around 100 offices throughout the country and abroad and serves nearly half a million deliveries monthly.

The new information system replaces a legacy software in order to fulfill the growing needs of the company for a robust, scalable and effective software system. It consists of:

- A centralized WEB-based application, which contains several modules: Marketing, User management, Logistics net, Call Centre, Dispatchers, Financial operations, Online logistics etc. The application is based on a N-layer architecture, comprised of a Java EE Application Server (JBoss AS 4), which is running on several clustered and load-balanced instances, and RDBMS (Oracle 10g).
- Mobile application for PDA devices and smartphones, which is intended to assist the couriers in doing their job. The application is written for .NET Compact Framework 2.0 and is running on Windows CE/Mobile OS. It connects to the central server via GPRS.
- Distributed, desktop-based application for local office logistics. This application is deployed in all offices and distribution centres. It consists of Application server (JBoss AS 4), RDBMS (Firebird) and Swing-based desktop clients. This application is designed to work even if the Internet connection with the other offices is temporarily down for any reason. This is a

- crucial requirement in order to prevent serious delays and disorganization in the business processes. All of the local servers automatically synchronize their data with the central server on very short intervals. Used technologies include EJB 3.0, Hibernate 3, Swing, RMI etc. DESY is designed to allow highly optimized and effective way of work for the employees, with extensive use of barcode readers, AJAX-based auto-completer fields and so on. The system is integrated with a number of external systems - GIS, IVR, accounting system, HR system.
Technologies: EJB 3.0, Hibernate 3, JDBC, JSF, JSP, Servlets, Applets, JavaScript, AJAX etc.
Responsibilities: Project Manager; responsible for requirements collection, planning, analysis, design and implementation
- 01/05-05/05 **Register of Scientific Research in Bulgaria (RSRB) and Information System for Management of Scientific Research (ISMSR) for Ministry of Education and Science, Bulgaria.** RSRB is the Scientific portal of Bulgaria: it manages data about all national and international research projects, scientific organizations and researchers, as well as research results such as patents, publications and products. ISMSR manages public funding, review and selection of research projects, execution and monitoring of research projects. The two systems are tightly integrated and are of vital importance for invigorating and publicizing scientific research in Bulgaria. They are based on the Common European Research Information Format (CERIF) to facilitate exchange with other European research information systems.. As part of the project legacy data (from Btrieve files) was also migrated to the register's database. As part of the project legacy data (from Btrieve files) was also migrated to the registry's database.
Technologies: Tomcat 5.5, SQL Server, Struts, Hibernate
Responsibilities: Project Manager; responsible for requirements collection, analysis, design and implementation
- 03/04-12/04 **Galenworks integration product for health-care industry**
 Implementation of configurable integration system that would gather data from different sources and formats and would transfer it to a common format and permit for indexing and reporting over the data.
Technologies: JBoss, JBoss Nukes, JetSpeed, Babeldoc, Hibernate, PostgreSQL, XML;
Responsibilities: Lead of the local Bulgarian team (3-5 persons)
- 09/03-03/04 **Software development and customization of Bulbank information system**
 Customization of Bulbank (one of the biggest Bulgarian Banks) off-the-shell SW system (ICBS by Fiserv).. New modules development, designed to interact with the various systems in use in the organization. Requirements collection, design and development of new functionalities. Some of the modules include:
ICBS – Trade Innovation interface:
 This modification is an extension to the core retail banking systems and provides functionality for creation and processing of incoming/outgoing SWIFT foreign currency payment orders.
ICBS – OPICS interface:
 OPICS is a wholesale banking system. The interface provides to OPICS in real time summarized information about the transactions executed in ICBS.
Technologies: AS/400, DB2, CL and ILE RPG
Responsibilities: Requirements collection, modules design and implementation,
- 01/03-09/03 **Custom software development for the insurance industry**
 Data entry and reporting intranet system for an insurance company. Web user interface development for business data manipulation (i.e. customers, risk evaluation, etc)
Technologies: PHP, MySQL
Responsibilities: Forms editing module design and implementation, implementation of the system management application prototype, testing.

- 04/03-01/03 **Bulgarian Universal Encyclopedia – CD-edition**
 A joint project between Sirma AI, Bulgarian Academy of Science and Trud publishing house (one of the largest publishing houses in Bulgaria). The project included automated processing of large amount of raw materials (30000 articles, 1700 categories etc.) in various formats as well as design and implementation of UI based on common Windows components and embedded Web browser.
Technologies: C++ (Borland C++ Builder), COM, PageMaker scripting Java, XML
Responsibilities: Project management and coordination between the participants, design and development of most of the tools used for processing of the raw text and multimedia, implementation of several visual components to be used in Encyclopedia application.
- 01/02-04/02 **eGate**
 An XML-based content management system designed to support content categorization, persistence and documents' dynamic attributes. The system also supports various styles for content presentation as well as style rules to be applied depending on documents' attributes and content.
Responsibilities: Requirements collection, OO and database model design, implementation.
- 06/01-12/01 **Stress Test Utility**
 A simple configurable utility used to evaluate performance of web servers and JSP containers as well as to evaluate their optimal configuration for specific cases. The utility simulates multiple clients accessing various resources – both static data and dynamically generated staff and generates reports in friendly format.
Responsibilities: Design and implementation; preparation of test data used to evaluate the servers.
- 01/01-06/01 **Instill Purchase Web (IPW)**
 A catalog management system, which is a part of an applications' suite related to foodservice industry.
Technologies: Java, WebLogic 5.1 Application Server, EJB, JSP, Oracle
Responsibilities: Working in a team of 6 developers in the optimization phase of the project (being very critical for our clients). System performance Analysis(using JProbe)., Introducing new OO design and refactoring business logic implementation. Improving the existing EJBs
- 07/00-12/00 **fsXML COM Component**
 A COM component which provides a high level interface for 3rd party developers to the customers' database. The server part is implemented in Java and SOAP is used as a communication mechanism.
Technologies: C++, COM/ATL, XML, SOAP
Responsibilities: Design and implementation of serialization/deserialization of business objects hierarchy to/from XML. SOAP packages generation design and implementation; the packages describe client requests and process server response.
- 01/00-06/00 **Foodscape Portal**
 Web portal application used by independent restaurant operators. All the content is stored as XML documents in an Oracle DBMS and was processed via XSL stylesheets in order to be presented to the end users. User registration and various notifications were also implemented.
Technologies: Java, JSP, EJB, WebLogic 5.1 Application Server, XML/XSL, Oracle 8i
Responsibilities: Design and implementation of the XML management layer, XSL stylesheets creation and support. EJBs (session and entity) implementation and deployment. Implementation of several content management related tools (upload, update, reports).
- 1998 -2000 Software Engineer, ML Systems GmbH, Sofia, Bulgaria**
IPMS

A distributed system for HR management in Java based on the IBM SanFrancisco framework and RMI.

Responsibilities: Research and initial evaluation of the IBM SanFrancisco framework. Team leader, design and implementation of the first version of the system.

JAT

A company framework for three-tiered applications based on EJB standard and servlets technology.

Responsibilities: Design and implementation of generic UI components (based on the Swing library) using EJBs as data sources.

Other projects:

- Client-server personnel information system development for the Bulgarian Telecom using Centura Builder, SQLBase DBMS, ERWin, Centura Report Builder.
- Client-server information system development for VdAK – Germany using Centura Builder, Informix-ONLINE DBMS, ERWin.
- Client-server information system development for Saturn Media Markt – Germany.

Languages

English, Bulgarian - Fluent