

Marek Mosiewicz

Know how the software works

Marek Andrzej Mosiewicz

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WORK EXPERIENCE

Felicite Park sp. z o.o., Piotrków Trybunalski *Application programmer*

JUNE 2024 - **CURRENT**

Software development projects via Antal - AtoS (projects enumerated later in document).

Jotel Mosiewiczowie Spółka Jawna, Piotrków Trybunalski *Co-owner*

APRIL 2001 - JUNE 2024

Conducting business duties for the family company. Managing investments, cost optimization, customer relation management.

Maintaining and developing properties. Invoicing. Payments.

Software development projects contractors (projects enumerated later in document).

ADempiere ERP, The Internet — Open Source project

2005 - 2020

First developer to port Compiere ERP to the database different than Oracle (Fyracle database) resulting in starting the ADempiere project. Active community member. Finding solutions for ADempiere technical problems. Research on new directions and project future architecture. First port to Java 11

EDC Expert Direct Communication Sp. z o.o., Piotrków Trybunalski — Junior Java Developer

MARCH 2017 - JUNE 2017

Java PDF libraries development, creating reports and forms in Java

TALEX S.A., Poznań — Junior Java Developer

JANUARY 2001 - AUGUST 2002

Leading developer in workflow and document managing system

SOFTWARE DEVELOPMENT SKILLS

Programming languages: Java, Scala, C++, C#, Groovy, Kotlin, Visual Basic, Delphi Pascal, Python, JavaScript.

Artificial Intelligence: Drools, Prompts, Deploying LLM locally

Jakarta: JPA, JSE, Struts, JDBC, EJB 2.0/3.0, JMS, XA, JSP, taglibs, JAXP, Hibernate, WebServices (SOAP and REST), JTA.

DevOps: TomEE, Tomcat, WildFly, WebLogic 6.1-8.1, JBoss 3.0-3.2, 4.0, 5.0, basics of WebSphere 3.5 i 4.0, GIT, Jenkins, Fedora, Debian

Internet technologies : HTML, AJAX, XML, HTTP, URL, CSS, JavaScript, TypeScript, RPC, Messaging.

Windows programming: MFC, COM, WinAPI, Borland VCL, ADO.

Cross platform: Qt, POSIX

Databases: Oracle, Oracle PL/SQL, MS SQL Server, PostgreSQL, MariaDB, Informix, advanced database optimizations, Business Intelligence, ACID

IN-Software Polska Sp z o.o., Poznań — C++ Developer

JUNE 1998 - AUGUST 1998

Large C++ application, Developing accounting module, decimal operations library fixing, OLE bugs fixing

EDUCATION

UNIVERSITY OF ECONOMICS, Poznań — Master of Science

OCTOBER 1996 - JUNE 2001

Computer Science and Econometry profile

High School, I L.O. im Jana Kasprowicza, Inowrocław — Secondary School certificate

SEPTEMBER 1992 - MAY 1996

Mathematics Physics and Computer Science profile

PROJECT EXPERIENCE FOR COMPANIES

Eviden/AtoS — Senior Application Developer

For Siemens. Writing web applications in J2EE 8.0-10.0 technology stack with continuous delivery. Successful member of a project which delivered sophisticated application with Excel like capabilities in Web Browser. Creating a reporting framework with export to Excel via Aspose. Creating web services SOAP client connecting to SAP instance. Exchanging SAP data two ways, Document management system inside application. Workflow with Drools configuration.

Designed and developed new project with REST web services endpoints. Using an existing framework. Application logic available via web browser and remotely. Design of REST APIs. Creating web application.

Porting large Seams application to Jakarta CDI

Upgrading application Jakarta 8->9->10

Writing business rules framework and editor for Drools A.I.

Technologies: TomEE, Hibernate JPA, CDI, EJB, JTA, JSF, PrimeFaces, AJAX, JavaScript, XML, Aspose Cells, SAP BAPI, REST Web Services, SOAP, Drools, MS SQL Server, DMS, OpenAPI, Arquillian, Eclipse, Git, Jenkins

Duration: NOVEMBER 2020-**CURRENT**

DATALP — Compiere apps design and development

Compiere ERP, Swing UI, database schema development. The full cycle of development from the requirements gathering phase to final implementation responsibility. During project lifetime many independent

IMPORTANT SKILLS

Management: Leadership abilities, team management, analytical skills, communication skills

Beauty intuition

Ability to find right directions and achieve goals

Perseverance

Mathematics and Heuristics:

statistics, algebra, calculus, neural networks optimizations, genetic algorithms, linear programming, logic, abstraction, modeling, cryptographic protocols

Economics: Microeconomics,

Macroeconomics, Banking, Accounting, Business Management, Econometry, Markets

Law: open source licensing

experience, ability to read law texts, polish civil law basics

applications have been created including document management application, doctors contract maintenance application for insurance broker, billing application project. PDF processing, and editing project. Purchasing logistic application for the multi-warehouse retail company for another final customer.

Technologies: JBoss (JEE5, J2EE6), EJB3, EJB3.1, Compiere ERP, Oracle DB, Swing, JPA2, Hibernate JasperReports, IcePDF

Duration: MARCH 2008–APRIL 2014

PharmaNord — Web modules for Compiere

Web-based document management system based on Compiere ERP & CRM and Java Server Faces. Development of webstore specific customizations for Compiere.

Technologies: JBoss 3, Tomcat, JSP, JSF (Apache MyFaces), JavaScript, Compiere ERP, Compiere CMS, Portlets.

Duration: AUGUST 2004 – MARCH 2005

Softbank — Data warehouse for Polish drivers and cars registry

The big government project in Softbank - one of the largest Polish IT companies. Query optimization for 300 GB database with bad database schema (given in advance)

Optimization of Java code to have similar performance as Oracle Stored Procedure thanks to advanced fetching technique found.

Technologies: Oracle Application Server, Spring, EJB3, SOAP, Tapestry, Oracle DB, SOAP

Duration: AUGUST 2004 – MARCH 2005

Exorigo — CMS and B2C application for investment funds

Branch Office management of an 8 person team. Development of CMS system and B2B portal for investment funds company (web front-end integrated with the legacy system). Full development cycle from requirements gathering to deployment of application into the production.

Technologies: Weblogic 8, Struts 2, Custom CMS system, EJB 2, XML, XSchema, Batch processing, Oracle DB

Duration: AUGUST 2003 – AUGUST 2004

Alatus — Pegasus based web application for telecom

J2EE application for PTK Centertel Telecom company. Team supervisor. Design and implementation of main parts of the application. Very high-security requirements. Database project and definable forms system based on application dictionary design.

Technologies: Struts, JSP, Tomcat, Oracle DB, OpenSSL, PKCS

PUBLICATIONS

Java Data Objects vs. Entity Beans in O'Reilly ONJava.com, 2002

Fyracle – Oracle for free in Software 2.0 magazine 2005/12

Quora - Suggestion for using photovoltaics electricity to recycle carbon from atmosphere and obtain **“carbon neutral carbon”**

Duration: MARCH 2003 – AUGUST 2003

PharmaNord — Credit card payment module

Integration of Compiere webshop with custom-developed credit card payment application based on ISO credit card payment protocol.

Technologies: Oracle DB, Compiere ERP, (JBoss 3), Compiere Webshop, Payment gateways, JSP, JSF, Credit card payment gateway

Duration: APRIL 2003 – JUNE 2003

TALEX— Workflow and DMS (as employee)

Large workflow and document management system which has been written in J2EE. Developing large parts of the application.

Technologies: Weblogic 6/6.1, EJB 2.0 CMP and BMP, JMS, SOAP, JSP and J2EE patterns, Oracle DB.

Duration: JANUARY 2001- AUGUST 2002

LANGUAGES

Polish – native

English – proficient

Russian – intermediate

IN-Software — Accounting and business management application for the construction industry

Participation in the development of large C++ application, Developing accounting module, decimal operations library bug fix, OLE Activation bugs fixing, algorithm for payment matching.

Technologies: Windows API, MFC, C++, SourceSafe, Visual Studio

Duration: JUNE 1999 – SEPTEMBER 1999

Hobbies

Active: Open Source, Theology, Philosophy, Animals, Artificial Intelligence (new), Social Networks discussion, Cooking, Shopping, Cars, Music, Art, Gaming, Gardens, Travels, Meditation, Family, History, Ecology, Enthalpy

Currently inactive: Aikido, Skiing, Swimming, Reading, Mountain hiking

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To **be** continued in the coming years

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Anno Domini 2025

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