ABTO Software
Java Software Development Overview

ABTO is Your Best Choice for Outsourcing Java Projects

ABTO Software is a world-class provider of high-end IT outsourcing services and excellent Java software development solutions to well-known companies across the USA and Europe. We are aimed at total customer satisfaction and strive to exceed our customers' expectations. Services we offer are affordable yet of highest quality.

Professional Java Developers Team:

ABTO Software Java experts have excellent skills covering various Java application servers, frameworks, databases, libraries, components and technologies.

- ✓ **8 years of in-depth Java development experience**
- ✓ **World-class education level**
- ✓ **Highly motivated & committed team**
- ✓ **Deep Java development expertise**
- ✓ **Continuous integration systems**
- ✓ **We follow SCRUM & Agile**

Superior Quality Java Outsourcing Solutions

We can develop Java applications of any scale and complexity running across different platforms. Our Java Development expertise includes:

- ✓ **Java Enterprise Application Development (J2EE)**
- ✓ **Java Web Development**
- ✓ **Java Mobile Application Development (J2ME)**
- ✓ **Java Applications Migration, Enhancement and Integration**
- ✓ **Java Application Testing and Maintenance**
- ✓ **Java SaaS Application Development**

ABTO Competencies & Skills

ABTO Software has a high level expertise in the Java platform, including Java ME, EE, SE, JDK, AWT, Swing, EJB, NetBeans, GlassFish, Junit, Spring, Struts, Hibernate, log4j, jpa, jsf, Corba, Tomcat, JBoss, JSP, Servlets, taglibs, Unified Expression Language, Envers and more.

Our JAVA Development Expertise

- **Java Frameworks:** J2EE, J2ME, J2SEJBoss, Struts, Spring, Hibernate, JNDI, RMI/IIOP, JTA/JTS, JMS.
- **Technologies:** JSP, Servlets, JDBC, Swing, JUnit, AWT, AJAX, JSON, Web Services, applets, JSF, Flex, GWT.
- **Platforms/Operating Systems:** Linux, Unix, Windows, Mac, Android, Windows Mobile, Amazon Elastic Compute Cloud (Amazon EC2), IBM SmartCloud.
- **Databases:** Oracle, Postgres, MySQL, MSSQL.
- **Web/Application Servers:** Apache, JBoss, Tomcat, IBM WebSphere.
- **IDEs/Tools:** Eclipse, Netbeans, JCreator, Jbuilder, Evo 3 Tools, Selenium, Hudson, Ant, FitNesse.

Software Developed for Business Verticals

Our Java development team possesses in-depth experience in software development for a wide range of markets including:

- Healthcare
- Banking & Finance
- Distribution & Retail
- Government

Creative Approach to Sophisticated Tasks

ABTO Software possesses an extensive portfolio of sophisticated Java development projects that were accomplished using cutting-edge technologies and demanded in-depth experience creativity and commitment. Please, take a look at ABTO's featured Java outsourcing development projects below:

Application for a Cardiological Medical Center

A truly unique application has been developed by ABTO for our Netherlands customer working in the Healthcare industry.

The project accomplishment demanded high level qualification and science intense approach. ABTO experts possessing successful in-depth experience in this kind of projects gladly accepted this challenge.

The customer needed an application which could help anticipate patient's state and his health reaction to certain treatment. Our specialists used a mathematical model in the basis of this application for the most precise and reliable prediction.

The application provides medical workers with additional advice in choosing the most appropriate treatment for a patient (e.g. certain surgery, drugs, etc)

The principle of maximum lifetime expectation is applied in the application functioning.

Technologies used: Java, Mathematical Statistics, XML, XSLT

Compliant Enterprise Server (CES)

ABTO Software specialists generated a truly superb application that can be utilized for a number of industries including banking and finance, military, government and security institutions.

The initial challenge was to create a stable, secure and robust solution allowing to record phone calls, voice mails and SMS within the separate institution. These features are absolutely vital for almost every modern institution concerned with security issues. CES application allows to prevent spreading of the confidential corporate information.

Main CES features:
- performs recording of phone calls, voice mails, SMS from handset
- possibility to pre-listen of recorded calls & search SMS
- administrative user interface (UI) for setting up everything (Java, Tomcat, JSp ,Struts2, MySql)
- set of daemons performing server works (Java, C++, bash)
- high performance and super heavy duty
- high availability (24 / 7 / 365) system
- fail proof, backup servers and even power supplies
- strict security

The web UI is essential for the purpose of the CES. Web user accounts are based on operational roles. The first release will provide Compliance Officers with a means of:
- auditing SMS that are sent or received by user handsets
- routing mobile voice calls to a call recorder.

Web user accounts are based on operational roles. There are two main varieties of the role:
- **Pre-defined roles (PDR).** These are the roles that exist in the system as placeholders and describe the roles required for the primary purpose of operation of the CES.
- **User-defined roles (UDR).** These are the roles that the System administrator can provision themselves.

In addition to the "operational" roles described above, the system has a special role required to ""initialize" the customer's environment. This is an once-only process relying on a single approved customer role (Sys Admin) and a single remote support role (Initiator). This process provides a secure means of the supplier initiating the customer system and then permanently detaching all trust relationships. The reason for this process is to ensure that only users exclusively invited to access the system by the customer during operations can do this.

The CES is designed to initiate users through an invitation and approval process. The reason for this is that an additional layer of security can be added by involving two CES roles in the process.

ABTO Java team ensured the quality of the whole system by full Unit tests coverage of the code and UI. We also utilized CruiseControl continuous integration system and various integrated utilities for code style quality testing.

Technologies used: Java, C++, Daemons, Tomcat, JSP, UNIX, Spring, Struts2, log4j, MySQL, bash, rpm.

VoIP SIP SDK for Android

VoIP SIP SDK is customizable solution to develop your own softphone for Android-based devices. The softphone is very easy to use and has a lot of benefits for the end users:

- video and voice calls;
- receiving call with no video button and disabling video during call;
- several lines;
- switching between several cameras on device;
- text chat;
- hold call support;
- status update (presence);
- can be rebranded;
- DTMF support;
- customizable;
- works with most SIP servers, including ABTO SIP Server and Asterisk;
- communicates great with most sip clients including VoIP SIP SDK for Windows;
- STUN support, and more.

Technologies used: Java, Android, Visual C++ / C++ / C# .NET, VB.NET / VB 6.0, JavaScript / HTML, Flash, Borland Delphi

Event App

Event App is a superb mobile application developed specifically for VNSG Congress initiated by the Dutch SAP User Group. One can obtain the information about new developments and solutions of SAP at this congress.

Besides that, SAP users exchange knowledge and ideas there, and speakers on various SAP related subjects share their experience.

Main Event App Features:

- It displays the congress schedule with the filter option and detailed information on all the speakers;
- It possesses sponsors list including their locations on the plan;
- It offers the possibility of taking photos and uploading them to the email.

Technologies used: Android, iPhone, JavaScript, Titanium Framework

Phonebook

ABTO Software's specialists have developed an easy to use cross-platform application designed for mobile devices (phones).

Phonebook possibilities:

- provides highly efficient contact list backup;
- restores the contact list if necessary.

The application embraces the following mobile platforms:

- Android (Java)
- Symbian (C++)
- Windows Mobile (C++)

Technologies used: Android, C++, Java, Symbian, Windows Mobile