

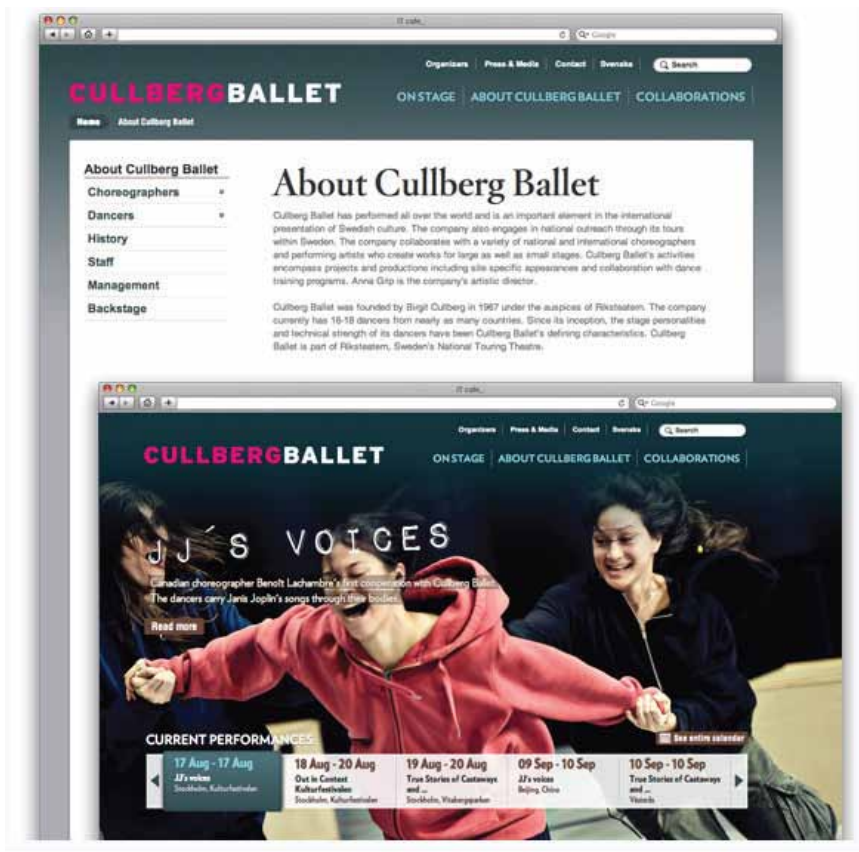
COMPETENCE AREA: WEB DEVELOPMENT

KEY FACTS

- 100+ Web developers experienced in various technologies including Java, .NET, PHP, Flash/Flex, HTML5;
- Substantial knowledge of various Content Management systems including EPI Server, MOSS, Umbraco CMS, Wordpress, Drupal, Magento and MS Commerce Server;
- Capacity to develop Corporate Internet/Intranet portals, E-commerce and E-learning solutions, Social Networks, Content Exchange Platforms and On-line games;
- We provide the following services: UI/UX and responsive design elaboration, graphic design, web-design and development, integration WITH payment and legacy systems, design and development of animated elements, performance, load, integration, and usability testing;
- Web development portfolio available at: <http://sigmaukraine.com/portfolio>.

SAMPLE CASE STUDY

CULLBERG BALLET WEBSITE



TECHNOLOGIES

PHP, MySQL, JavaScript, Drupal Platform (HTML5/ CSS3).

PROJECT SIZE

- Duration: 12 weeks.

PROJECT DESCRIPTION

The goal of the project was to create a website where one could find the repertoire of the ballet crew, see detailed information on its performance including the show schedule and the crew's complete portfolio, and even buy a ticket to the performance selected online.

Original custom theme was created and applied to the site. To implement the project, the team used about 30 ready-made Drupal modules and developed 11 custom ones.

OUR CONTRIBUTION TO PROJECT SUCCESS

- Design integration (Drupal theme creation);
- Custom Drupal modules development;
- Production server configuration;
- Product deployment;
- System documentation.

CHALLENGE

The mission was in creating a site that one would remember. In addition to the eye-catching design, it was necessary to make the site perfect in all other aspects like high performance, graphical excellence, and intuitive interface. As a requirement, we could use open-source solutions only. Thus for accomplishing the task, the team chose rich means of Drupal content management framework with HTML5 and CSS3 as a part of it.

RESULT

The website that was developed for Cullberg Ballet is not only fast in performance, dashing in design and rich in features. Thanks to multilanguage support, it allows people from all over the world discover Cullberg Ballet and represents the customer in the best way imagined.



COMPETENCE AREA: JAVA

KEY FACTS

- 80+ Java professionals;
- Expertise in development of scalable platforms and middleware (CORBA; DDS; JMS) for high-end reliable solutions used in defense, telecommunications, and finance;
- Capacity to develop Web portals with content management features as well as E-commerce solutions integrated into corporate ERP systems (WebLogic Portal, WebSphere Portal);
- Substantial expertise in development of software products for telecom (StreamFlex), banking and financial industry (Negenis BPM), IT (StandardLink – tool for rapid prototyping; AjaxSwing – application converter; Loop Analytics - tool for embedding ads to mobile applications; icCube – OLAP).

SAMPLE CASE STUDY INDIVIDUAL TRAVEL PLANNER



CHALLENGE

- Create a single website for all aspects of travel planning, including hotels and tickets booking, car rent and points of interest planning;
- Provide tourists with the most accurate and up-to-date information;
- Ensure travel service providers access wide audience of travelers;
- Meet tough time-to-market requirements.

OUR CONTRIBUTION TO PROJECT SUCCESS

- Analysis of customer business requirements;
- Design and development of reliable IT solutions;
- Graphical and UI design concept;
- Integration with various booking systems;
- Support of numerous releases.

RESULT

As a result, the portal is now widely used in the US allowing travelling support community reach individual travelers and making travel planning very easy.

Commenced as a startup based on innovative idea, the customer is now a very strong player on the market.

OVERVIEW

- 735k unique visitors/month;
- 1.6MM page views/month;
- 50k email subscribers;
- Klout Score: 54;
- Content aggregation from over 10 theme Internet Portals;
- Rich travel articles are produced by a global network of Local Editors.

TECHNOLOGIES

- Java, My SQL, Lucene, Spring, GWT, Tomcat, JSP.

PROJECT SIZE

- Duration: 4 years.

PROJECT DESCRIPTION

The customer is a USA startup that gathered travel industry professionals striving to enhance customer service online. Sigma Ukraine was contracted to develop individual travel planner website from scratch.

The website enables individual travelers plan their trips, get travel recommendations, book flights, hotels, cars and sightseeing tours, and print out their personalized travel guide – all in one place without the need for surfing through dozens of booking and travel websites.

The portal developed possesses a wide range of features that make it extremely attractive for travelers including:

- Rich content aggregated from a number of theme internet portals (points of interest description, history, reviews, etc.).
- Possibilities to browse for points of interest, view them on the map, find hotels, restaurants, pubs and other infrastructure near the points of interest.
- Features enabling travelers to plan the trip with regard of sights location, do necessary bookings, and get individual travel guidelines for the tour.



COMPETENCE AREA: MOBILE

KEY FACTS

- Capacity to develop native apps in iOS, Android, BlackBerry, Windows Phone;
- Capacity to develop HTML5 apps with various cross-platform development tools such as PhoneGap or Sencha Touch;
- Augmented reality apps development;
- Game development with COCOS2D;
- Experience in low-level code optimization;
- Mobile applications testing as stand alone service;
- Mobile design.

SAMPLE CASE STUDY

IPAD APPLICATION FOR U.S. CAR PRODUCER



TECHNOLOGIES

- Objective C, Quartz2D

PROJECT SIZE

- Team: 6 specialists;
- Duration: 6 months.

OBJECTIVES

The goal was to provide user and sales agents with the splendid e-brochures for various car models that would employ sophisticated iPad navigation.

CHALLENGE

- Extremely tight time-frame which was successfully met due to SigmaUkraine idea to start with developing a platform for decreasing effort necessary to get apps up and running.
- Cooperation with 3rd-party design studio. We added in-house designer to a team for review and adjustment of design materials to get final version faster.

PROJECT DESCRIPTION

Series of created applications boast a neat looking interface and allow browsing through cars' features and learning more about the brand. Since the team was engaged in developing the whole line of apps, we decided to craft a reusable interactive brochure framework first, and then customize it by fitting required content in thus delivering 3 different apps fast and with equally astonishing user experience.

The apps employ multi-touch gestures and come with tricky memory management implementation to allow displaying a lot of quality content and move across screens swiftly.

RESULT

Applications were delivered in time and were accepted by the customer with appreciation. After this success we continued our cooperation with the client and keep developing further iPad applications for them.

OUR CONTRIBUTION TO PROJECT SUCCESS

- Adjustment of design materials provided by 3rd-party supplier;
- Development of own framework and iPad applications;
- Testing;
- Uploading applications to App Store.



COMPETENCE AREA: MICROSOFT TECHNOLOGIES

KEY FACTS

- 100+ highly qualified .NET professionals;
- 16 Microsoft Certified specialists;
- Microsoft Gold Certified Partner since 2007;
- Capacity to deliver Internet and Intranet portals, E-com, Enterprise Content Management and Document Management software, Workflow Management systems, BI solutions, OSS/BSS;
- Perfect knowledge of C#, .Net, Windows 8 OS, Microsoft Dynamics Family, Microsoft SharePoint Server, Microsoft Commerce Server, EPI Server CMS, Umbraco CMS, Windows Azure.

SAMPLE CASE STUDY

E-COMMERCE FOR LEADING TRANSPORTATION PRODUCTS MANUFACTURER



CHALLENGE

The major challenge of the project was to implement complex pricing, discounting and shipment cost calculation models using only native MS Commerce Server tools to make the solution scalable and allow easy migration to further versions. This challenge was successfully met by Sigma Ukraine specialists.

It was also quite challenging to build an efficient process of creating new solutions on top of the platform – today a new customer can get basic e-shop on top of the platform within 2 weeks.

OUR CONTRIBUTION TO PROJECT SUCCESS

- Full development lifecycle support including requirements specification, architecture design, development and testing, deployment, documentation development;
- 3rd line support, corrective/preventive/adaptive maintenance, configuration management;
- Onsite and offsite user trainings.

RESULT

The e-commerce team consisting of IT professionals from Customer, Sigma ITM Sweden AB and Sigma Ukraine LLC continues working on new e-commerce solutions on the automotive market and improving the platform incorporating rich non-standard e-commerce functionality.

TECHNOLOGIES

.NET, MS Commerce Server, MS SQL Server, MS Visual Studio.

PROJECT SIZE

Duration: 4+ years;

Size: 16 specialists.

PROJECT GOAL

The initial goal of the project was to create an online tool for customer service centers all over the world to be able to order spare parts for their clients. The solution developed has proven to be of so much value that it was first decided to enrich it with B2C features and then implement it at other companies of the group gradually turning it into fully-fledged e-commerce platform.

PROJECT DESCRIPTION

The platform developed allows building comprehensive market-centric electronic parts catalogues and integrating them with customers' network and various internal and external systems. The solution is based on MS Commerce Server and offers rich functionality including:

- Flexible Web-catalogues where dealers and end users can find and order parts. The catalogues have market-specific information for each part which means that the interface and part description language, prices and currencies shown to each customer depend on the market.
- Discount calculation depending on the products in the basket, special offers available, customer track record, market, etc.
- Shipment cost calculations depending on the weight and customer's location.
- Converting the order into a special format and transferring it to corresponding dealer or manufacturer.
- Additional functionality for dealers enabling them sell their own accompanying products in the e-shop.
- Integration with manufacturer corporate systems.



SERVICE: PREPARING ORGANIZATION FOR OUTSOURCING



SERVICE DESCRIPTION

Nowadays market dictates cost saving strategies. Hence, more and more companies are considering outsourcing as one of the key elements in their plans. It's not difficult or complex but may require quite significant tailoring of the main processes and standards, which drive your organization.

Most typical questions, which should be answered before making the decision to start outsourcing are:

- What can I outsource? How to do this safe, without affecting my major business flow?
- How to choose the right project to outsource?
- What business model should I choose?
- How do I find the right vendor? What are the selection criteria?
- Who can manage this process from my organization perspective? What will management overhead be if I outsource IT functions and what will the cost of this overhead be for my organization?
- How to prepare my team for IT-outsourcing?
- Is my infrastructure ready?
- And finally... what is the cost of this new strategy?

Sometimes it's very difficult to find time and resources to address all these questions. Why not outsource that to professionals doing such things for more than 15 years?

Our specialists have practical experience in various domains and methodologies. And we know for sure - there are no wrong or right approaches. It is just a matter of finding a solution, which will work for you, having a lot of practical examples on the background in many different industries and business areas.

SERVICE TYPE

- IT Consulting

DURATION

- Interview phase – 1 month;
- Decision phase – 1-3 months;
- Solution phase – up to 6 months.

STAGES

Interview

Our specialists perform series of interviews to understand your business needs, domain area, processes and standards, and learn how your organization works.

At the end of this phase we produce a report, which answers three main questions:

1. What has to be done to start outsourcing?
2. How should outsourcing work for your organization?
3. How much will it cost?

With this information, you can move on to the decision phase.

DECISION

We understand that such a step requires serious decisions to be made and is subject to internal discussions. Therefore, we can provide you with assistance on different levels:

1. Presenting proposed approach and addressing all the questions and concerns within your organization.
2. Collecting and analyzing feedback from all decision makers.
3. Adjusting the report to comply with the new requirements, identified during internal discussions.

The goal of this phase is to make outsourcing process smooth and natural for your organization, so that all decision makers understand and accept the strategy proposed.

SOLUTION

By the time this phase starts you have a plan what to do to prepare your organization for outsourcing. All major decisions are made. It's time to apply the new strategy!

During this phase we provide an ongoing support, helping you interviewing vendors, adjusting processes and addressing all questions from your team, involved in the first outsourcing assignment. Our job is to make it efficient, and help you take this big step towards successful and cost efficient outsourcing.



COMPETENCE AREA: MS SHAREPOINT

KEY FACTS

- 20 Microsoft SharePoint developers and consultants;
- Capacity to develop Corporate Intranet portals, Web-sites (corporate and brand Web-sites), Knowledge Databases, Self-service portals and E-learning solutions;
- We provide the following services: graphic design, portal development from scratch, testing, Support and maintenance, upgrades and migration (automated and manual).

SAMPLE CASE STUDY

CORPORATE WEB PORTAL FOR CORPORATE PROJECT SOLUTIONS LTD



TECHNOLOGIES

Microsoft SharePoint 2010, .NET Framework 4.0, Microsoft Visual Studio 2010.

PROJECT SIZE

- Team Size: 5 specialists;
- Duration: 5 months.

PROJECT DESCRIPTION

The solution developed is a user-friendly portal with up-to-date information about Corporate Project Solutions, the company's services, expertise, success stories and contact information.

Among others the Corporate Project Solutions web portal has the following features:

- Intuitive navigation for easy surfing through information;
- Possibilities to book events, training courses and Webcasts as well as view Webcast recordings;
- Integration with Live Chat for providing on-line assistance;
- Feedback form enabling visitors to request a callback, schedule a demo, request information to be sent to e-mail or leave feedback;
- Corporate blog;
- Rich functionality for administering content;
- Social networks integration.

OUR CONTRIBUTION TO PROJECT SUCCESS

Full project cycle from architecture design to roll-out and support, excluding graphic design works.

CHALLENGE

In order to make the portal scalable and allow transferring the solution to future versions of Microsoft SharePoint easily, the portal was to utilize maximum of the tools and technologies available in the platform instead of additional custom development. Sigma Ukraine has successfully met the challenge.

Another challenge was to make Microsoft SharePoint work as a public website. Though not an obvious choice, Microsoft SharePoint was selected for its rich functionality, especially for further administration and content management of the portal. But it required additional efforts in design and integration with social networks, which have been successfully done and delivered.

RESULT

As the result of the project a brand new Corporate Project Solutions portal was launched increasing the company's visibility and attracting more users with new prospects among them.

The portal's successful delivery also resulted in Corporate Project Solutions decision to continue collaboration with Sigma Ukraine on further projects to exploit the very positive experience of outsourcing software development to Ukraine.



COMPETENCE AREA: WINDOWS 8

KEY FACTS

- Pioneering in projects for Windows 8;
- Capacity to develop WinRT-based Windows Store apps that run on PC, tablets and touchscreen devices and use Metro-Style Interface.

SAMPLE CASE STUDY

AT&T XAML CONTROLS FOR VISUAL STUDIO 2012



OVERVIEW

- Open source controls allow using telco-functionality in any applications: SMS and MMS sending, On-line Voting, Speech Recognition;
- Developed on behalf of one of the leading telecommunication companies in the world;
- In-line with Microsoft code guidelines and best practices;
- Available for all Visual Studio 2012 users who develop Windows 8 applications.

TECHNOLOGIES

- Windows 8;
- Visual Studio 2012;
- Microsoft .NET 4.5 for Windows Store Application as a platform.

PROJECT SIZE

- Team: 10 specialists;
- Duration: 2 months.

OBJECTIVES

Project objective was to develop a set of telecom related XAML controls supporting Windows 8 and Visual Studio 2012.

CHALLENGE

The major challenge for Sigma Ukraine was the need to meet very short time-to-market requirements. In order to meet this challenge Sigma Ukraine had to allocate the team and start development within 1 week.

The next challenge was lack of technical documentation describing Windows 8 and Visual Studio 2012 as well as VSIX pack creation. In order to cope with this we consulted with Microsoft headquarters and studied all available code samples.

RESULT

Today the controls are publicly available in Visual Studio Gallery. Each developer can download and use them out of the box!

PROJECT DESCRIPTION

The team of 10 specialists in Microsoft technologies, designers and test engineers was allocated within 1 week to meet the tough deadline. Within limited time they developed SDK for Windows 8 and five XAML controls that support sending SMS, MMS and MMS Coupon, displaying Voting chart, and transcription voice into text.

Sigma Ukraine team performed the following works within the project: development, graphical design, testing, documenting (on-line help, guidelines and samples), deployment to Visual Studio Gallery.

Controls were added as Microsoft® Visual Studio® Extensions for the AT&T API Platform and connected to it through REST services using SDK for Windows 8.

