



# ANDRIY BUDAY

- Software Developer
- Technical Leader

**Skype:** andriybuday

**Email:** [andriybuday@gmail.com](mailto:andriybuday@gmail.com)

**Blog:** <http://andriybuday.com>

**Phone:** +43 680 33 40 267

**Address:** 1030 Vienna, Austria

I am a Software Developer who loves to write high quality code that stands out and truly helps businesses and organisations in achieving their goals.

I've been designing and implementing .net solutions for almost 8 years. In the course of these years, I created software for healthcare, entertainment, and nuclear energy industries. I also had a chance to lead software development teams and work under the supervision of MS MVP and other very experienced leaders. My commitment and eagerness for completion of my projects makes me a valuable asset on a software development team.

Improving my existing skills as well as acquiring new ones is something I enjoy doing. I think it makes me much more efficient and effective in tackling the realisation of complex software projects.

I'm very a dedicated and open-minded community developer, and passionate about new technologies. I have spoken at user group events and I've written a free e-book on design patterns. You can find me online: <http://andriybuday.com/> or follow me on twitter: [@andriybuday](https://twitter.com/andriybuday).

## EDUCATION

MSc in Applied Mathematics and Informatics, Ivan Franko National University, Ukraine, Lviv, 2010

- Diploma with distinction.

## CERTIFICATES

- Microsoft Certified Technology Specialist (in ASP.NET, ADO.NET, WCF, and Windows Forms)
- Microsoft Certified Professional Developer (Enterprise Application Developer)

[MCP Transcript](#) (Transcript ID: 904316, Access Code: andriybuday)

## PROFESSIONAL SKILLS

<b>Languages</b>	English (fluent), German (basic), Russian (proficient), Ukrainian (native)
<b>Programming technologies</b>	.NET
<b>Programming languages</b>	C#, JavaScript, T-SQL
<b>Desktop</b>	Windows Forms, WPF
<b>Web</b>	Ember.js, ASP.NET, IIS, HTML, CSS, XML, JSON
<b>Database management</b>	MS SQL Server, MS Access, MS SQL Server CE
<b>Data access</b>	ADO.NET, Entity Framework, NHibernate
<b>Distributed systems</b>	WCF, ASMX Web Services, .NET Remoting, REST
<b>Version control systems</b>	TFS, Subversion, Git
<b>Mobile</b>	Windows Phone 7, .NET Compact Framework
<b>IoC frameworks</b>	Autofac, Unity, StructureMap
<b>Unit testing</b>	NUnit, MSTest, RhinoMocks, NCover, TDD, Load Testing
<b>Development environments</b>	MS Visual Studio, Resharper, Sublime Text
<b>Secondary skills</b>	C++, Java, Silverlight, MSBuild, NAnt, Jenkins, Windows Security, AD

## WORK EXPERIENCE

IAEA (UN) via Zensar Technologies Ltd, Austria, Vienna

Jul 2013 – Present

### Software Developer

The aim of this project was to develop an offline-capable web application, in a highly secure environment for the International Atomic Energy Agency (IAEA). The application is used to record all kinds of activities the IAEA inspectors perform at atomic facilities across the world. The application was written from scratch in scope of major migration from the legacy system. I began as a core team member during the middle of the project, and became a main contributor to its code base by the time of its successful release. At the moment, I'm working on the second version of this application.

- Wrote business-related calculations at the backend using C# and unit tested it with SpecFlow.
- Wrote T-SQL scripts to enable data migration from the old system using FluentMigrator.
- Implemented business specific workflow operations.
- Implemented the queue (MSMQ) based processing of data that also includes updating web client with the progress.
- Helped in the implementation of offline capability, using HTML5 and browser's local storage.
- Implemented numerous parts of the client using Ember.js, Bootstrap and Handlebars.
- Implemented hundreds of business validation rules in JavaScript that can be run on .NET backend using Jurassic and Edge.js.
- Provided multi-browser support.
- Improved CI builds in Jenkins.
- Improved automated tests using the Selenium framework and provided kick off support for the QA team working on it.
- Wrote supportive application that periodically exports data into excel files.
- Created load tests and WCF contract checker for detecting breaking changes.

### Software Developer

The IAEA needed to verify the feasibility and challenges of recording nuclear sealing activities directly in the field by using any device. I've created an offline-capable HTML5 web application as a prototype to demonstrate the possible solution.

- Solely worked on all aspects of this project for four months.
- Provided few official presentations (50 people) to the users and upper management.

### Technical Leader, Software Developer

The IAEA also needed a desktop intranet application to record sealing activities that could be reported in the paper form or excel. I was involved in all areas of development, deployment, and coordination of the progress with management.

- Helped in leading a team of four developers.
- Helped developers with designing solutions and managed their progress. Performed code reviews.
- Implemented few frontend features using WPF.
- Created gated CI builds in TFS and established code quality standards.
- Improved the deployment strategy of the project using One-Click and specific IIS setup.
- Restructured VS solution and project architecture for simplicity.
- Participated in project planning and effort estimation.

Bwin.Party Digital Entertainment Plc, Austria, Vienna

Feb 2012 – Jul 2013

**"We have come to know Mr. Buday as an extremely reliable employee who has quickly become familiar with the responsibilities entrusted to him." – Josef Pflieger, Team Lead (extract from the letter of recommendation)**

### Software Developer

Bwin.party is an online betting company. I worked in the company's sports branch, with a team responsible for backend services. Scalability and performance were the top most requirements. Most services were exposed through REST API; they had to be available 24/7 and withstand extreme loads during championship events.

- Designed, implemented, and launched a new sports statistics system. This system imported data from an external FTP location and made it available on our website through AppFabric Cache.
- Implemented a high load system, providing bets status and history information. Service was designed to handle 7,000 requests/sec.
- Fixed a serious performance problem in the site's search engine that allowed re-launching the feature. This feature presently counts for 10-20% of all bets placed on the sports site.
- Created a prototype for exposing betting data via OData protocol.
- Extended and improved many other services, with my team maintaining around 40 of them.
- Achieved 100% code coverage for one of the systems, wherein only one bug was found by the QA team after I handed it over for testing.

"I had a great pleasure of seeing him blossom from a junior engineer at the beginning, into fully functioning senior software engineer..." – Vitaliy Senchyshyn, Project Manager (extract from the letter of recommendation)

### Technical Leader, Software Developer

A leading US-based company, which provides healthcare information technology solutions, required a whole range of software products. SoftServe is one of the company's main outsourcing partners. Thus, I had a chance to work on many of these products.

One of them was a Windows Phone 7 application that provided a subset of functionality available for hospital staff working in the field. My role was to lead the development team for this project.

- Together with another Senior Developer, I led a team of eight developers.
- Worked closely with the management and the client to ensure successful implementation of the project.
- Ensured that SCRUM practice was working for the team.
- Drove many requirement-gathering meetings with our client.
- Monitored code quality standards.
- Implemented a custom ORM to bridge legacy system with some of the application functionality.

### Technical Leader, Software Developer

US-based Healthcare Company. This project was an enhancement to an existing system that I previously worked on.

- Led two developers.
- Helped developers understand the system and guided them in adding enhancements accurately.

### Technical Leader, Software Developer

US-based Healthcare Company. This project was a notification system built with SQL Server Service Broker in order to notify dozens of other systems about changes in the database.

- Led one junior developer.
- Helped a developer in starting his career.

### Software Developer

US-based Healthcare Company. This project was a complex distributed system. I worked on a few new services that were supposed to be part of Service Oriented Architecture that our architecture team was trying to introduce.

- Identified and fixed software bugs.
- Worked on small to middle-size tasks assigned to me.
- Provided technical presentations on technologies used in the project (NHibernate, StructureMap, WCF, MEF).

### Software Developer

US-based Healthcare Company. This project was a large desktop monolithic application managing a comprehensive range of data for running a healthcare provider.

- Created a few assessment forms using WinForms controls hosted in Delphi UI. Accessed data using plain ADO.NET.
- Implemented logic that parsed client UI and assigned help topics to specific WinForms and Delphi UI controls.
- Assisted in the implementation of a windows service that exports medical records to external system using .NET remoting and XML.
- Fixed software bugs in a PDA application.
- Identified and fixed software bugs.
- Worked on many other small tasks assigned to me.
- Was awarded the "Best Rookie Developer of 2008".

## OTHER

### Personal Software Development Blog

2009 – Present

#### Blogger

Writing a blog helped me to become a better programmer. Most of my posts are software-development related, but I'm not strictly stick to any specific topic. Frequently there are book reviews or motivational posts on success for software developers. Average traffic is 5K page views a month.

- **Blog Url:** <http://andriybuday.com>

### Free e-book on Design Patterns

2012

#### Author

I've written a free e-book on design patterns for the Ukrainian developer community.

In 2010, I started writing a series of blog posts dedicated to GoF design patterns. My aim in this project was to keep the examples of patterns very simple, to ensure that a person reading these examples can build associations with real or close to real world situations. I further translated all the examples into Ukrainian, and assembled them into an e-book. This book is quite popular among starting software developers in Ukraine.

- **Book Url:** <http://designpatterns.andriybuday.com> (in Ukrainian)

### Developer Community

2008 – Present

#### Speaker, Writer

I frequently spoke at user group events. Besides blogging and penning a book, I've also written articles for CodeProject and answered numerous questions on Stack Overflow.

- **Stack Overflow:** <http://stackoverflow.com/users/232881/andriy-buday>

### Personal Information

- **Birthday:** 2 Nov 1987
- **Nationality:** Ukrainian
- **Visa:** non-restrictive work permit in Austria (RWR+)
- **Driver License:** class B
- **Marital status:** married
- **Children:** 2 year old daughter