

# Radu Poenaru

Senior .NET Consultant



Last update on 4. August 2018

## Software experience

MSc. Radu Poenaru is a Senior Web developer and Consultant.

He developed for more than 15 years solutions ranging from Delphi desktop applications to .Net Enterprise Resource Planning ones for international companies. For the last 10 years he focused on .Net platform and his main interest is web development. He keeps an edge on the future technologies like ASP.NET MVC, Angular, KendoUI, CSS and HTML5.

After graduating his master at RWTH Aachen in 2011, he was part of Scrum teams and an active Scrum master, developing and driving the project towards deadlines, delivering results no matter if he was part of a RWTH Aachen master's lab or a multi-national company.

### Contact:

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- 1 = Expert
- 2 = Professional experience > 3 years
- 3 = Professional experience < 3 years
- 4 = Basic experience, theoretical or self-learned

Programming languages	1	2	3	4
C#	x			
Javascript		x		
PHP			x	
Java			x	
Objective-C			x	
Ruby on Rails			x	
Delphi		x		

Frameworks	1	2	3	4
ASP.NET MVC	x			
Angular		x		
Bootstrap		x		
Kendo UI		x		
ASP.NET WebApi		x		
Typescript		x		
jQuery	x			
LINQ		x		
HTML5 / CSS3	x			
Knockout			x	
Ext JS			x	

## Software experience

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Communication	1	2	3	4
ASP.NET Web Services	x			
ASP.NET Web API		x		
REST		x		
WCF			x	

Test Frameworks	1	2	3	4
xUnit		x		
Jasmine			x	
MSTest		x		
Selenium		x		
Cucumber			x	

Databases	1	2	3	4
MS SQL-Server	x			
MySQL	x			
MS Access			x	
PostgreSQL			x	

IDEs	1	2	3	4
Visual Studio	x			
Visual Studio Code		x		
IntelliJ Idea			x	
WebStorm		x		
PHPStorm			x	
Expression Studio			x	
RubyMine			x	
Flash/Flex		x		
SQL Server Studio		x		
XCode/Interface Builder			x	

Version Control Systems	1	2	3	4
Git	x			
TFVC (TFS)	x			
SourceSafe		x		
Subversion		x		

## Certifications

- April 2011** Microsoft Certified Trainer
- June 2010** Microsoft Certified Technology Specialist: ASP .NET 3.5
- May 2006** Microsoft Certified Technology Specialist: Microsoft SQL Server 2005 – Implementation and Maintenance
- Mar 2006** Microsoft Certified Business Management Solutions Specialist – Ms Business Solutions – Navision Legacy
- Feb 2006** Microsoft Business Solution Certified Developer: Navision 4.0 C/Side Solution Development
- Jan 2006** Microsoft Business Solution Certified Developer: Navision 4.0 C/SIDE Introduction



.NET Framework 3.5, ASP.NET Applications



SQL Server 2005



Ab Feb 2018

## Monitoring application in Energy branch

Developing applications for remote data acquisition and management of meters for electricity, gas and water. The acquired data is sent to other software systems for processing and then forwarded to downstream software systems, e.g. invoicing. The B2B solution supports corporate customers from the power supply sector in the fields of smart metering, smart grid and submetering.

Technologies:

- Single Page Application with AngularJs / Angular 5 (incl. migration), KendoUI, Bootstrap
- Asp .Net MVC, WebApi, Entity Framework
- MSSQL, OData, Owin und Katana, SignalR
- Continuous Integration and Deployment using TFS

Dec 2017 – Jan 2018

## Rentability tool in Real estate investments

Computing the rentability of real estate investments – own software product of the ITBrainiacs.

Technologies:

- Single Page Application with Angular 5, KendoUI, Bootstrap / MaterialDesign, RxJS
- Asp .Net MVC, WebApi
- MSSQL, OData, Owin and Katana, SignalR
- Continuous Integration and Deployment Teamcity with Git, Hub and Youtrack
- Virtualization with VMWare Workstation Pro

Oct 2017 – Nov 2017

## Modernization of existing Websites in the Banking Investment area (Project was blocked due to budget limitations)

The modernization of several public websites in the field of investment banking - all websites using ASP.NET Webforms should be converted to a single page application architecture. The new architecture is based on ASP.NET Core and (currently) AngularJS with TypeScript, and a migration to Angular 4 was started. In the frontend Kendo UI was used for the UI design and Typescript, RequireJS and Gulp for the JavaScript handling. A .NET-based Web API is available in the backend, which accesses an MS SQL database REST or OData-based services.

## Technologies:

- Angular4 / AngularJs/TypeScript
- C#, .NET/.NET Core
- ASP.NET MVC, ASP.NET Web API, OData
- Kendo UI, Less, Gulp, Require.js, Node.js
- Quality Gates (Clean Code, SOLID)
- Single Page Application and REST
- Test driven development with XUnit and Jasmine
- Visual Studio, Visual Studio Code and TFS
- Agile development (Scrum)
- MS SQL, T-SQL, ASP.NET Webforms

April 2017 – Okt 2017

## Full stack Software developer for Deutsche Bahn

As part of the Analytics team, I was responsible to create a planning tool that will help a logistics company to map its trains schedules.

- Single Page Applications using Angular 4, KendoUI, Typescript, Html5, Jasmine, Karma, Bootstrap, npm and Gulp;
- Web clients: WebApi, SignalR and REST;
- Programming with C # / .NET, Entity Framework, Owin, Katana, OData, Simple Injector
- Conception and implementation of DBMS agnostic data models / data access layers for MS SQL Server and Oracle;
- Creating applications with service-oriented architectures.

Juni 2014 – Mar 2017

## Front-end developer for Sirona GmbH

Part of the dental unit software team, I am responsible for the user interface and user experience of a web application, managing a style guide (including website design, typography and color palette) to create a fresh, comfortable and aesthetic solution.

Part of my responsibilities were to create mockups for the Product Owner to evaluate, among others evaluation documentation, prototypes, migration specifications towards newer frameworks like AngularJs / Angular2.

## Responsibilities:

- Software development with ASP .NET MVC 4, Razor views and Javascript;
- Prototypes using AngularJs / Angular 2 and KendoUI
- Devexpress ASP .Net MVC components – customized design, extensions and creation of new components

April – Mai 2014

- jQuery, Bootstrap, UnderscoreJS
- Continuous integration with TeamCity (incl. new build chains setup)
- Quality assurance through unit testing with Jasmine, XUnit and Selenium
- CSS 3 and Less, HTML5
- Agile Entwicklung

## **B2B and B2C websites upgrade for Samsung SDS Europe**

As ASP.Net and SQL Expert, I was part of the Samsung SDS Europe Ltd German Branch teams. They desired to update their websites' technologies and improve the online services for all clients in Germany, no matter if they were B2B for resellers or B2C towards end-users. My responsibilities:

- Analysis and creation of Prototypes with improvements for their B2B- und B2C-Websites
- Documentation of the results and best practices for future reference
- Install and maintenance of a virtual machine with Windows Server 2008 R2, SQL Server 2008 R2 and IIS 7.5
- Best practices, development and improvements of Websites and Databanks on the virtual machine

Technologies:

- Serverside: ASP .Net (with MVC and Razor Engine), C#, Entity Framework 5
- Client-side: jQuery and jQueryUI, jQuery plugins, Knockout JS, HTML5 / CSS3
- Databases: SQL Server 2008 R2 und T-SQL
- Virtual Machine: Microsoft Server 2008 R2

Jan 2014 – Mar 2014

## **Consultant/Front-end Webdeveloper - 2nd part**

Between full time projects I resumed my remote, part-time collaboration, remotely maintaining and developing features for a Media agency specialized in .Net online shops.

Technologies:

- Server-side: ASP .Net MVC, Linq-to-SQL, Entity Framework, Web services
- Client-side: Kendo UI, Modernizr, KnockoutJS, jQuery and jQuery UI, CSS3/HTML5,
- Databases: SQL Server (also T-SQL skripts)

Okt 2013 – Dec 2013

## Consultant/Front-end Webdeveloper

Part of the Front-end development Team for the Administration portal of the Teamviewer GmbH, the leader of the desktop sharing and online collaboration over the Internet.

Technologies:

- ASP .Net MVC
- KnockoutJS, Kendo, UnderscoreJS
- jQuery widgets,
- HTML5, CSS3;

Mai 2013 - Oct 2013

## Consultant/Webdeveloper (parttime, remote)

Maintenance and development of new features and modules for Online shops in .Net (Software development, analysis, design, testing)

Technologies:

- ASP .Net MVC,
- jQuery and jQuery UI,
- Modernizr, KnockoutJS,
- CSS3 und HTML5,
- Linq-to-SQL, SQL Server, T-SQL,
- Entity Framework,
- Web services

Aug 2011 – Oct 2013

## Senior Software Engineer – *Avid Development, Kaiserslautern, Germany*

For an international media company, Radu Poenaru develops in the team of core of InterplayMAM, a distributed web architecture using ASP .NET. It allows the import of video and audio files from software and hardware sources, processing, annotation and meta-data generation and interfacing with web frontends and desktop clients. Using Agile techniques in team and sometimes acting simultaneously as Scrum master and developer, he and his team deliver world awarded video and audio archiving tools for the broadcast industry. Additionally, he maintains and develops features for legacy Windows Forms and WPF administrative tools.

He also enjoys organizing and presenting internal workshops on the above themes in the Kaiserslautern branch.

Responsibilities:

- ASP .NET, jQuery and jQueryUi, and ExtJS development
- Evaluation of new frameworks (ASP .Net MVC and Silverlight)
- Software development with .NET and JavaScript

- Quality assurance with Unit and Integration Tests

Technologies used:

- C#, ASP.NET (MVC), Razor Engine
- ASP.NET webservice, MSTest
- SQL 2008
- jQuery, jQuery and jQueryUI, ExtJS
- Microsoft TFS and Accurev

Mar 2010 – Jun 2011

## **Microsoft Student Partner – *Microsoft Corporation, Cologne, Germany***

He was acting as an equivalent of Microsoft Evangelist among students. He had organized and presented events ranging from simple one hour talks in student conferences to 2 days workshops on themes like ASP .Net, Silverlight and Windows phone development. Additionally to teaching students cutting edge technologies, he was also involved in several activities, as a media reporter for the students' organization.

Activities:

- Maintenance and development for [www.stnc.de](http://www.stnc.de) – ASP .Net MVC, jQuery and Microsoft SQL 2008
- Presenter of [Windows Phone 7 Game development](#), a 2 days hands-on workshop
- Participation in Microsoft [Software Strategy Summit 2010](#) Three screens and a cloud as MediaReporter
- Participation in Microsoft Student Partner Summit 2010 – Windows Phone 7 application development
- Presenter of “[Silverlight and Microsoft Phone](#)” workshop
- Co-presenter of the “[ASP.Net with Visual Studio 2010](#)” workshop
- Participation in Windows Phone 7 Coding Camp
- “[RIA Business Applications](#)” presentation at Springboard 2010 held by MSP Team West

Technologies used:

- ASP.NET Web Forms and MVC, C#, jQuery
- Silverlight
- MS SQL Server
- Team Foundation Server (TFS)

Mar 2010 – Jun 2011

## **Wissenschaftliche Hilfskraft – at *University of Bonn***

He developed a portal which improved the usability of the process of enrollment for master programs at the University of Bonn, allowing students to have a better application experience. The basis of it is an interactive and dynamic application which has several workflows, involving both possible future students and professors into finding the



best candidates. He used Test Driven Development and Agile methodology to create a Ruby on Rails solution with PostgreSQL database, increasing interactivity and data validation with the help of jQuery and jQuery UI libraries.

Responsibilities:

- Web development with Ruby on Rails, PostgreSQL and jQuery
- User experience improvements
- Quality assurance using migrations, unit testing, model validation

Technologies used:

- Ruby on Rails
- PostgreSQL
- jQuery and jQuery UI
- SVN

Mar 2009 – Jul 2010

## **Studentische Hilfskraft – at *Fraunhofer FIT***

Radu Poenaru designed and developed the applications required for labs and the ones needed by PhD students. He created native iPhone and iPad applications, Microsoft Surface multi touch solutions, RIA applications using Flex and Flash.

Responsibilities:

- Software architecture, design and development

Technologies used:

- Microsoft WPF and multi touch Surface framework
- MS SQL Server, MySQL
- Objective-C, interface design in InterfaceBuilder
- Adobe Flash and Flex
- SVN

Feb 2007 – Aug 2008

## **Senior Software Engineer – at *Alensa AG, Romanian subsidiary***

As Team leader and Lead developer, Radu Poenaru maintained and developed the company's website (as a multinational presence) while being fully responsible of the online presence of the company.

Responsibilities:

- Team leading in a geographically distributed and multi-cultural team
- Requirement analysis, documentation
- Software development with ASP .NET
- Server hardware and software maintenance

Jun 2006 - Feb 2007

- Testing and migration into production environment

Technologies used:

- ASP.NET, jQuery, MooTools
- MS SQL Server 2005
- SVN, CVS, VisualSourceSafe

## **Senior Software Engineer – at *Ubisoft Romania, Bucharest, Romania***

As Senior software developer, Radu Poenaru maintained, in a team, the company's internal Peoplesoft implementation (Entreprise Resource Planning application) – the Canadian equivalent of SAP.

Responsibilities:

- Maintaining and solving bugs of current version
- Development of new features
- Reporting with Crystal Reports
- Software development with ASP .NET Webforms
- MS SQL 2000 & 2005- stored procedures, CLR, views, ad-hoc queries
- Unit testing and migration into production environment

Technologies used:

- PeopleSoft environment
- Crystal Reporting
- .Net C# web forms
- MS SQL 2000 & 2005 - stored procedures, CLR, views, ad-hoc queries

Dec 2005 – Jun 2006

**Microsoft Business Solution Software Engineer – Novensys, Bucharest, Romania**

Radu Poenaru, as part of the core team, developed and configured using the customers' specifications new features, did interface design, reports using custom Navision Reporting. He improved the stability of the delivered solution by using unit testing and data validation. The solutions required also customizations and configuration of native Navision database.

Responsibilities:

- Customize the Navision ERP for customer's needs
- View/Edit Forms development
- Reports with custom engine

Technologies used:

- C/Side language
- Navision ERP and Navision Custom database

Jan 2004 – Dec 2005

**Senior Software Engineer – TotalSoft SA, Bucharest, Romania**

Huge Romanian company, big challenges! He started as Engineer in Business Commander team, developing the most used ERP solution for pharmaceutical warehouses in Romania, developed custom solutions for the Ringier Group and started working on the first Mobile development solution available in the country on WinCE for Pharma industry. Also he succeeded in a very challenging task, providing solutions to switch from ROL to RON for several projects.

Responsibilities:

- requirements elicitation
- business layer development
- testing and bug fixing
- product customization for each customer needs
- document flow optimization
- database development
- data transfer and coherence verification
- WinCE application maintaining and development
- Software development with ASP .NET

# Radu Poenaru

Senior .NET Consultant

Jan 2002 – Jan 2004

Technologies used:

- Delphi 6, 7
- Crystal Reports 7, 8.5, 9
- Net C# Webforms, Winforms
- WinCE programming for Palm
- MS SQL Server 2000
- Custom Delphi controls

## Team leader and Senior Software Engineer – *Softwise Development*

Radu Poenaru developed and supervised IT projects to be conform to specification on time and budget, testing, documenting IT policies, scheduling the project tasks, maintaining the IT security in line with group.

Responsibilities:

- Leading the team
- Software development
- Custom controls development
- Quality assurance

Technologies used:

- Borland Delphi 7 Enterprise
- ADO and Microsoft Access
- Windows API programming
- in-house developed custom controls

## Focus areas

### Interests

Software & IT-Consulting  
Middle and small companies

### Work focuses

Agile Software development (Scrum)  
Test Driven Development  
Domain-Driven Design (DDD)  
Object Oriented Programming (also reusable controls design)  
Web, Desktop and Touch design

### Programming Languages

C#, Objective-C, Delphi, JavaScript using jQuery, PHP, Rails

### Web technologies

ASP.NET WebForms, ASP.NET MVC, ASP.NET Web API, CSS3, HTML5,  
JavaScript, jQuery, AngularJs, Kendo UI, ExtJS (Sencha)

### Web Services

Web Services, PHP, Ruby on Rails, XSLT, WCF, SOAP, WSDL, REST

# Radu Poenaru

Senior .NET Consultant

## Operating systems

Microsoft Windows Server, Microsoft Windows

## Databases

MS SQL Server, MySQL, PostgreSQL

## Integrated Development Environments

MS Visual Studio, Eclipse, PHPStorm, IntelliJ Idea, RubyMine, Adobe Flash and Flex, XCode and InterfaceBuilder

## Education

2008 - 2011

**RWTH Aachen University, Bonn-Aachen International Center for Information Technology B-IT**

Media Informatics Master Program

2004 – 2006

**Faculty of Electrical Engineering, University Politehnica of Bucharest, Romania**

Master Degree in “*Technical and applied magnetism*” – Research center MAGNAT

1998 – 2004

**Faculty of Electrical Engineering, University Politehnica of Bucharest, Romania**

Bachelor degree in Electrical Engineering, Computer assisted electrical engineering

## Language skills

English – advanced level, fluent in speech, writing and reading

German – medium level

French – medium level

Romanian – native speaker

## Contact data

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