# Muhammet TURŞAK

- Extended Curriculum Vitae and Portfolio -

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▶ Nationality : Turkish

✓ Military Obligation : Performed (completed in 2008)
 ☑ Driving License : A Class (since October 2005)

## **TABLE OF CONTENTS**

1.	PERSONAL CAREER GOAL	.2
2.	PROFESSIONAL SUMMARY	.2
	PROFESSIONAL WORK EXPERIENCE	
	AWARDS	
5.	PROJECTS	.4
	Major Domains	.4
	Major Project Types	.4
	Major Projects	
	Major Projects Details	.6
	Other Projects	18
	TECHNICAL SKILLS	
	General Overview	20
	Approaches and Techniques	22
	Platform and Technology Experiences	
	Other Experiences and Technical Knowledge	22
	EDUCATION BACKGROUND	
	Academic Background	23
	Certificates	24
	Offered Seminars & Conferences.	25
	Attended Seminars & Conferences	25
	Language Education, Exams and Skills (English)	26
	REFERENCES	27

# 1. Personal career goal

## My Vision:

My vision is undertaking key roles within ecosystem of global level successful software projects that are excellent examples of their sector in terms of both business value and technologies advancements.

## My Mission:

My mission as a chief software architect for companies producing large-scale information systems is to lead core development team to develop frameworks, building blocks and tools to provide a highly time and cost effective, easy-to-maintain, highly scalable, robust, secure and high-performance ground platforms for enterprise level products.

#### Positions:

- Software Group Director (2 years of experience)
- Research & Development Director (2 years of experience)
- Project Manager (5+ years of experience)
- Software Architect (2+ years of experience)
- Software Team Leader (5+ years of experience)

# 2. Professional summary

15+	10+	13+	15+
years of	years of	years of	years of
Professional Experience	Management Experience	.NET Experience	Web Development Experience

**У** 50+ Total Projects

**☑** 10+ Research & Development Projects

✓ 5+ National Projects

✓ 5+ International Projects

✓ 4 Major Domains

# 3. Professional work experience

DataSel Information Systems Co.

2012 - Present Senior Software Architect and Group Leader

2011 - 2012 Senior Software Developer

Fonet Software Co.

2010 - 2011 Research & Development Director

2009 - 2010 Software Team Leader

Halici Informatics & Software Co.

2007 - 2008 Software Production and Planning Director

2005 - 2007 Project Manager and System Analyst

2004 - 2005 .NET Application Developer

METU Computer Education and Instructional Tech. Dep.

2003 - 2004 Web Programmer and Designer

METU Informatics Institute

2003 - 2004 Software Developer

2002 - 2003 Web Developer & Designer

Labris Technology

2003 - 2004 Web Developer & Designer

■ IEEE METU Student Club

2003 - 2004 Chief of Web Team

METU Communication Club

2002 - 2003 Web Developer & Designer

Netteyim.net

2001 - 2002 Webmaster

Informatics Association of Turkey / Youth Branch

2000 - 2001 Webmaster

# 4. AWARDS

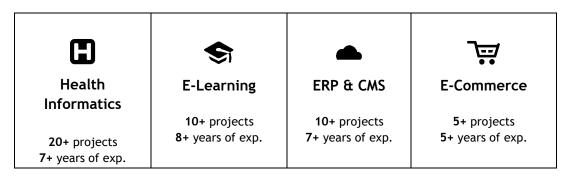
## TXI. Technology Awards Finalist in Turkey - 2014

Issuer: Tubitak, TTGV, TUSİAD

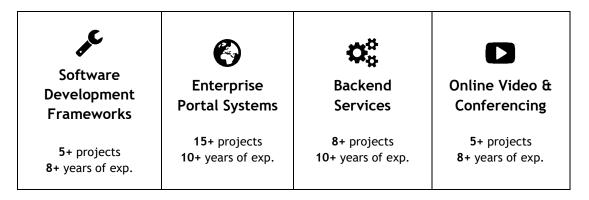
AviCenna VKBS is selected as finalist in XI. Technology Awards organized by TTGV, TUBITAK, TUSIAD in Turkey. It is a R&D projects about DRG Costing Calculation that also used by MOH of Turkey in 2011 and the first DRG costs and DRG weighted values are calculated by AviCenna VKBS in Turkey.

# 5. PROJECTS

# **Major Domains**



# Major Project Types



#### Other project types:

- ☑ Desktop Applications
- ☑ Console & Windows Desktop Applications
- ✓ Network Applications
- Automation Systems and Web Robots
- ☑ Editor/Designer Applications
- ✓ Video and Live Broadcasting Applications
- ☑ Games, Multimedia Projects & Graphics Design

## **Major Customers**

#### International:

- Lifewatch AG USA
- Ministry of Health KSA
- Ministry of Interior KSA
- Ministry of Health Uzbekistan
- UNHCR
- Papers & Rogers
- Democratic Left Party

#### Turkey:

- Lifewatch Türkiye
- · Ministry of Health
- Ministry of Education
- General Dictorate of Security
- Public & Private Hospitals
- National Productivity Center
- Turkish Democracy Foundation
- Turkish Intelligence Foundation

## **Major Business Partners**

#### International:

- Ucell
- Etisalat
- HAAD & GreenRain
- Welch Allyn
- Cisco
- IBM

#### Turkey:

- TTNET
- Avea
- Eczacıbaşı
- Koç System
- METU

# **Major Projects**

- 1. Avicenna PDFW Web Framework
- 2. Fonet Framework
- 3. Avicenna Product Development Framework
- 4. Fonet Studio
- 5. Avicenna Telemedicin Platform (ATTP)
- 6. Lifewatch Telemetry Monitoring Portal
- 7. Avicenna ATTP Mobile
- 8. Avicenna Case-Mix Information System (Vaka Karması Bilgi Sistemi)
- 9. Avicenna Clinical Coding Quality Rule Engine (CQRE)
- 10. Eczacıbaşı Sağlık Takipçim (ATHP)
- 11. Remote Patient Management System (RPMS)
- 12. Fonet Advanced Log Module
- 13. Avicenna Emergency Information Management System
- 14. Avicenna Ambulance Information Management System

- 15. Avicenna Clinical Management System (Cms)
- 16. Halsoft e-Learning Portal
- 17. Halsoft Portal
- 18. Online Course Management System (OCMS)
- 19. General Diractorate Of Security Distance Education Portal
- 20. Distance Education Portal Of Ankara University
- 21. Democratic Left Party (Official Web Portal)
- 22. BÖTEB Online
- 23. The UN Refugee Agency Turkey (Official Web Portal)
- 24. Customer Support Center
- 25. METU Communication Club (Official Web Portal)
- 26. XMessenger
- 27. Efsane
- 28. EDİSA (E-Learning Content Authoring Tool)

# **Major Projects Details**

#### AVICENNA PDFW WEB FRAMEWORK

🗒 DataSel Information Systems Co. 🗣 Software Development Framework

It is an **Enterprise Application Development Framework**. Ultimate goal is to develop a single enterprise framework to develop for both **Web** and **Mobile** platforms that can be deployed as web projects or native mobile applications.

The framework provides fundemantals for both front-end and backend of the system. Front-end is based on web technologies HTML5, CSS3, JS libraries. AngularJS and JQuery are the main JS libraries for the programming of the front end. Twitter Bootstrap and some animation libraries were utilized for the front end visualization. Responsive and adaptive visual layout principles are applied and supported by the use of bootstrap and the special build-in features and options of the framework. Frontend mainly provides advanced data-enabled advanced components (like Dynamic Grids & DataForms) and also core framework environment & libraries for front end.

Backend is based on ASP.NET MVC, WebApi, EntityFramework, RepositoryPattern, C#, JSON. Also security and optimization layers are implemented.

Major components: Data Grid, Data Form, Dynamic Field Editor, Base Repositories, Base WebApis, Scheme Serializer, Authentication & Authorization, Menu & Routing Manager, Notifications

**Technologies:** VS.NET, C#, ASP.NET MVC & WebApi, EntityFramework, LINQ, AngularJS, RequireJS, Bootstrap, linqJS, AngularStrap, Jquery, Ajax, MS SQL Server

Standards: JSON, oAuth

#### **AVICENNA ATTP**

## DataSel Information Systems Co. Telemedicine Platform

It is a telemedicine platform consists of various submodules including order management module, ecg monitoring and medical report delivery module, inventory module, kitting workflows module, supply-chain management module, integrations module, reporting module and security modules.

System is developed by using Avicenna PDFW Web Framework.

Backend is based on ASP.NET MVC, WebApi, EntityFramework, RepositoryPattern, C#, JSON. Also security and optimization layers are implemented. In frontend, single-page application architecture is implemented by using AngularJS and TypeScript.

**Technologies:** VS.NET, C#, ASP.NET MVC & WebApi, EntityFramework, LINQ, AngularJS, TypeScript, RequireJS, Bootstrap, linqJS, AngularStrap, Jquery, Ajax, MS SQL Server

Standards: JSON, oAuth

#### LIFEWATCH TELEMETRY MONITORING PORTAL

DataSel Information Systems Co. Telemedicine Platform

Project is a international project with multiple partners from various countries (Turkey, USA, Switzerland, Israel, Macedonia).

It is a full featured telemedicine platform developed based on Avicenna ATTP. It consists of multiple sub-systems: Avicenna ATTP, Telemedicine System (Jasmine), Microsoft Dynamic NAV with CRM module and 3rd Party Call-Center solutions. System also has integrations with other sub-systems and some extra external services like Cargo, SMS, VPOS etc.

#### Major modules are:

- Integrations (telemedicine system, microsoft NAV, VPOS, cargo etc.)
- Order Management
- Medical Report Delivery
- Stock Management
- Reporting
- Security Management

**Technologies:** VS.NET, C#, ASP.NET MVC & WebApi, EntityFramework, LINQ, AngularJS, TypeScript, RequireJS, Bootstrap, linqJS, AngularStrap, Jquery, Ajax, MS SQL Server

Standards: JSON, oAuth

#### **AVICENNA ATTP MOBILE**

🗒 DataSel Information Systems Co. 🗣 Mobile Client Application

It is a mobile client application for Avicenna ATTP. Target users are doctors that has accounts on ATTP portal. Application is developed as an hybrid mobile application by using Ionic2 and Cordova.

**Technologies:** Apache Cordova, Ionic2, Angular4, TypeScript, HTML5, CSS3, JS, JSON, oAuth, VS Code, npm, webpack

#### **FONET FRAMEWORK**

■ Fonet Software Co. Software Development Framework

It is an **Enterprise Rapid Application Development Framework**. Ultimate goal is to develop a single enterprise framework for software development targeted to both **Desktop** and **Web** platforms.

Major features: DataGrid, DataForm, Rich and Extendable Form Input Editors, DAL fundemantals, Special data binding system, debuging screen and features, table, view and advanced relations supported by DAL, support for multiple different database systems, built-in developer tools, dynamic navigation & menu system with advanced authorization, different data source support, build-in charting & data visualization, managable/customizable visual layouts, auto generated search&filter forms etc.

**Technologies:** VS.NET, **C**#, ADO.NET, DevArt, **Oracle**, **MS SQL**, MySQL, PL/SQL, T-SQL, FastReports, CrystalReports

#### **FONET STUDIO**

## ■ Fonet Software Co. Software Development IDE

A complete Runtime Form & Screen Design Editor based on Fonet Framework.

#### Major features:

- Fully drag & drap enabled, Visual Studio like Form Design Editor
- Form design is stored on the database (Oracle, SQL Server etc.)
- Immediate data entry supported
- Authorization system integration supported
- Create, Read, Update, Delete operations are supported on forms designed
- Listing, paging, basic and advanced search features are enabled
- Toolbox is provided
- Event driven custom script injection is supported
- Dynamic report template design is supported, provides advanced report designer & viewer integrated with dynamic form
- Seamless navigation system integration
- Placing dynamic forms from on main menu is supported
- Opening dynamic forms programmatically is enabled
- Build-in Basic components;
  - o Textbox, databox, numericbox, listbox, combo, multilinebox, checkbox etc.
  - o Tab, groupbox and such kind of layout components
  - Build-in advanced components: Advanced vector based drawing and image editor (for PACS related screens), HIS Patient List, HIS Patient Details, HIS Patient Lab Reports, HIS Patient Action Links,

**Technologies:** VS.NET, **C**#, ADO.NET, DevArt, **Oracle**, **MS SQL**, MySQL, PL/SQL, T-SQL, FastReports, CrystalReports

#### AVICENNA PRODUCT DEVELOPMENT FRAMEWORK

DataSel Information Systems Co. Software Development Framework

It is an Enterprise Application Development Framework for Silverlight, WPF and WP7 paltforms. The ultimate goal was to provide a shared component set, libraries and fundemantals for common tasks & needs.

**Major components:** Grid, Form, Async operation libs, MVVM utilities, entity management, localization, extensions, converters etc.

**Technologies:** VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server

#### AVICENNA CASE-MIX INFORMATION SYSTEM / VAKA KARMASI BİLGİ SİSTEMİ

■ DataSel Information Systems Co. ► Health Service Costing System

It is a complete **DRG** Costing Solution. I designed and implemented the architecture, managed the project, developed reusable advanced components, coordinated and lead the team.

Project was also used in about 80 hospitals from all over the Turkey, even biggest ones. We collected and anayzed more than 50M clinical and financial records. Eventually, we have calculated the first official DRG costs and weighted DRG values of Turkey.

This project is selected as **finalist in XI. Technology Awards** organized by TTGV, TUBITAK and TUSIAD in TR (11.04.2014)

#### **Major Components:**

- Clinical Data Collection Module (UI+Webservices)
- DRG Code Calculation for given Case (by using Grouper)
- Costing Data Collectin Tool (UI+Webservice)
- Costing Processing and Clinic Unit Costing Calculation Module
- DRG Weighted Value Calculation
- Analyzing and Reporting Modules for DRG Data

**Technologies:** VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server, MySQL, COM Port communication

Customer: Ministry of Health / Turkey

#### AVICENNA CLINICAL CODING QUALITY RULE ENGINE (CQRE)

■ DataSel Information Systems Co. Rule Engine

It is a rule engine to execute clinical coding rules and evaluate the quality of clinical data coding.

Major components: Online Rule Engine Editor, Rule Management & Categorization, Rule Executing Engine, Backend Webservices to Execute Rules, Admin Management Screens

**Technologies: MS Azure,** VS .NET, C#, MS SQL Server, EntityFramework, LINQ, ASP.NET MVC and WebApi, AngularJS, JSON, HTML5, JS, CSS3

NOTE: System is deployed on MS Azure VMs (both App and SQL Server)

#### ECZACIBAŞI SAĞLIK TAKİPCİM (ATHP)

DataSel Information Systems Co. Telemedicine Information System

It is an online telemedicine information system. A set of telemedicine devices are used by patients, and doctors can monitor patient's measurements as online and can take actions (such as call patient/relatives, call ambulance etc.) according the emergency of the situation. It is still in use by Eczacibaşi Sağlık Hizmetleri.

Major modules: Device integration & data collection, data review & action taking, payment & accounting, device & delivery management

**Technologies:** VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server, MySQL, COM Port communication

#### REMOTE PATIENT MANAGEMENT SYSTEM (RPMS)

■ DataSel Information Systems Co. Clinical Information Management System

It is a health information management system for practitioners to perform examinations of patients from remote locations by using build-in **video conferencing system**, digital patient archive and related extra modules.

**Major components:** VideoConfrencing System (Client+Server), Clinical Management System, PACS Viewer integration, Telemedicine Device Integration

**Technologies:** MS Azure, VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework,

LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server

**Protocols:** Speex, H.264, G.726, G.721, JPEG

Customers: Ministry of Interior / Kingdom of Saudi Arabia

#### AVICENNA EMERGENCY INFORMATION MANAGEMENT SYSTEM

🔲 DataSel Information Systems Co. 🆫 Health Information Management System

It is an emergency information management system.

Major Components: Registeration, Nurse Triage, Physician Triage, General Examination, Trauma Examination, Vital Signs, Patient Charter, Clinical Pathway, Route & Scheduling, HIS Integration

**Technologies:** VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server

Customer: King Fahad Medical City / Kingdom of Saudi Arabia

Standards: HL7, Webservices

#### AVICENNA AMBULANCE INFORMATION MANAGEMENT SYSTEM

🕎 DataSel Information Systems Co. 🗣 Health Information Management System

It is an ambulance patient's health information collection and delivery system. Touch-based higly user friendly data entry client & scalable backend services are developed in the scope of the project. Project pilot was successfully performed in KSA Hajj region in Hajj period of 2013.

**Major Components:** DataCollection Client, Backend data collection services, data monitoring module, administrator module and reporting module.

**Technologies:** VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server

Customer: Ministry of Health / Kingdom of Saudi Arabia

#### AVICENNA CLINICAL MANAGEMENT SYSTEM (CMS)

🗒 DataSel Information Systems Co. 🗣 Clinical Information Management System

It is an online multi-language clinical management system. It provides all the software needs of the clinics. Also, it has a HAAD integration for claim submission in UAE region.

Major modules: Examination, Registeration, Appointment, Billing, Claim Integration

**Technologies:** MS Azure, VS .NET, C#, Silverlight, WCF RIA Services, EntityFramework, LINQ, Telerik RAD Controls, Telerik Reporting, ASP.NET, MS SQL Server, MySQL, COM Port communication

Partners: HAAD, Etisalat

#### FONET ADVANCED LOG MODULE

■ Fonet Software Co. Logging Module

Flexible log module that can easily be managed by using admin interfaces. Major features:

- Log all INSERT, DELETE, UPDATE operations on any table
- Report log data by using flexible and rich report designer & viewer interfaces
- Operate over seperate schemas for security and performance issues

Technologies: VS.NET, C#, WinForms, DevArt, ADO.NET, Oracle, PL/SQL

#### HALSOFT E-LEARNING PORTAL

■ Halici Informatics & Software Co. ► E-Learning Portal & LCMS

It was developed based on Halsoft Portal framework. The portal provides various pages and modules for e-learning program managers, instructors, students an administrators. Also it provides very flexible, extendible and open to develop framework. Some features are class, course and content management screens, built-in question editor and question store, **online exam system**, portal-wide **SCORM** e-learning content compatibility, integrated forum and **chat system**.

**Technologies:** Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services, Active Directory, RSS

**Customers:** Ankara Üniversitesi Uzaktan Eğitim Merkezi, Türk Demokrasi Vakfı, Milli Prodüktivite Merkezi, Matematik Eğitim Çemberi, ODTÜ Koleji

#### HALSOFT PORTAL

📕 Halıcı Informatics & Software Co. 🆫 Portal & CMS Framework

It was developed to provide flexible portal infrastructure for various different portal needs. System provides flexible and open to be extanded framework. Some features are multi-level and module based content management architecture, role-based authorization system, template-based e-mail and messaging system, multi language infrastructure support. Also it provides great amount of built-in modules and management screens.

**Technologies**: Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services, Active Directory, RSS

**Customers:** Demokratik Sol Parti, BM Mülteciler Yüksek Komiserliği Türkiye, Bilgi Toplumuna Yolculuk, Halsoft TV, Emrehan Halıcı Kişisel Web Sitesi

#### ONLINE COURSE MANAGEMENT SYSTEM (OCMS)

METU Computer Education and Instructional Technologies Department

This is an Online Course Management System which includes varying tools to manage an online course such as **content management**, **messenger**, user management, user logs, chat rooms, private email, grading, homeworks etc. Project is developed on Visual Studio .NET platform and development language is VB.NET.

Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop

#### GENERAL DIRACTORATE OF SECURITY - DISTANCE EDUCATION PORTAL

METU Computer Education and Instructional Technologies Departmen

Online Video Enabled E-Learning Portal

I have worked as a solution architect, software advisor and team leader in that project. A video based distance education portal. It provides live and offline video content, supporting documents, a discussion forum and access to shared e-mail groups. Also, provides management tools for live course broadcasting and course/program structure management. The project was developed by using Visual Studio .NET and SQL Server 2005. Also, Active Directory and Microsoft Live Communication Server were integrated to the system.

**Technologies:** Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services, Microsoft Producer, Microsoft PowerPoint, Active Directory

#### DISTANCE EDUCATION PORTAL OF ANKARA UNIVERSITY

Distance Education Center of University of Ankara (ANKUZEM)

Distance Education Portal

A distance education system used by students from different cities of Turkey and some other coutries. This project is developed based on Halsoft Eğitim Portalı and used for 4 years. Courses are developed as SCORM packages for the system.

**Technologies:** Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Active Directory, RSS, Photoshop

#### **DEMOCRATIC LEFT PARTY - OFFICIAL WEB PORTAL**

Democratic Left Party Official Web Portal

It is developed based on Halsoft Portal. A lot of new modules developed including various news and video system modules. By using video modules, administrators can configure and start a new live broadcast on the portal in a few minutes. Also an advanced search engine and RSS support was added to the infrastructure.

**Technologies:** Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services, Active Directory, RSS, Photoshop

#### **BÖTEB ONLINE**

METU Computer Education and Instructional Tech. Dep. Video Portal

A video portal which provides various educational videos. Videos are served by using Microsoft Media Services.

**Technologies:** Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services

#### THE UN REFUGEE AGENCY TURKEY - OFFICIAL WEB PORTAL

It was developed based on Halsoft Portal. It provides advanced administrative screens and modules to manage page hierarchy and page contents of the portal. Also, the system has an advanced search engine and RSS support.

**Technologies**: Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Microsoft Media Services, Active Directory, RSS, Photoshop

#### **CUSTOMER SUPPORT CENTER**

📕 Labris Teknoloji 🗣 Online Customer Support System

It is an online Customer Relations Management system. It's major modules are product management, customer management, Sold Product Management, Product Update Management, Trouble Ticket Management and Mass Messaging Systems.

Technologies: PHP, MySQL, HTML, CSS, JS, AJAX, Photoshop

#### METU COMMUNICATION CLUB - OFFICIAL WEB PORTAL

METU Communication Club • Official Web Portal

An advanced society portal. It provides individual user accounts to members, an extensive role based permission system and custom editor pages for each different modules of the portal. Portal also contains an online question and exam bank system. Also some attendance recod modules for activities.

Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop

#### **XMESSENGER**

P2P Multi Channel Instant Messaging Software

It was developed based on Client-Server architecture. This platform provides a real-time shared whiteboard and a text messaging with emoticons. White board has basic drawing tools such as free draw pen, straight line, rectangle and circle and also has formatting tools such as color and thickness tools. The platform also includes upload/download managers and allows multi-file transfers at the same time. All messages and commands are transferred as XML. Thanks to active use of design patterns, system is open to extend and improve.

Technologies: Visual Studio .NET, C#, XML, Networking & Sockets, GDI+, Photoshop

#### 3-5-8 P2P CARD GAME

P2P Network Based Card Game

The digital version of classical 3-5-8 Card Game. Players connects to server player and starts to the game with each other. It is developed using Client/Server software archicture. It was developed by using object oriented software development methodologies.

**Technologies:** Java, XML, Networking & Sockets, Swing, Photoshop

#### **EFSANE**

#### 3D Educational Game

An Educational game developed in a 3D Environment and aims to teach some physics topics to students.

Technologies: Adobe Atmesphere, 3D Max, HTML, JS, CSS, Photoshop

#### MILLIYET NEWSPAPER WEBSITE - COMPETITION WEB ROBOT

## • Online bot software

A Robot Software that parse and posts news keywords used in a weekly competition. It has a well-designed, structured set of usercontrols, libraries and various algorithms. Info: By thanks to this robot software, I was one of the winner of this competition for which a lot of software developers have developed similar robot softwares from all over the Turkey.

Technologies: Visual Studio .NET, C#

## EDİSA (EĞİTİM DANIŞMANLARI İÇERİK SUNUM ARACI)

📕 Halıcı Informatics & Software Co. 🗣 E-Learning Content Dev. Editor Tool

An authoring software which is used by subject matter experts to create standard content packages about spesific e-learning courses.

**Technologies**: Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Active Directory, RSS, Photoshop

# Other Projects

# BİLGİ TOPLUMUNA YOLCULUK PORTALI Peppers and Rogers Group • Activity Portal Technologies: Microsoft SQL Server, Visual Studio .NET, C#, ASP.NET, HTML, CSS, JS, Active Directory, RSS, Photoshop **EYEDDER - OFFICIAL WEB PORTAL** 📕 Eğitim Yöneticileri ve Eğitim Deneticileri Derneği 🗣 Official Web Portal Technologies: dotNET Nuke, Visual Studio, VB.NET, C#.NET, ASP.NET, SQL Server 2000, HTML, CSS, JS, Photoshop **NIT WEB PORTALI** Netron Institute of Technology • Official Web Portal Technologies: ASP, HTML, CSS, JS, Photoshop ONLINE COURSE MANAGEMENT SYSTEM METU Computer Education and Instructional Technologies Department Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop TEKNOKENTLER ZİRVESİ '04 RESMİ WEB SİTESİ 🕎 ODTÜ IEEE Öğrenci Topluluğu 🗣 Etkinlik Web Sitesi Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop METU INFORMATICS INSTITUTION - E-DERS PROJECT METU Informatics Institution 🗣 Distance Education Portal Technologies: HTML, CSS, JS, Photoshop MEKANSIZ KÜTÜPHANE METU Graduates Society 🌺 Online Library Management System Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop **IEEE WEBTEAM - OFFICIAL WEBSITE** 🕎 IEEE METU Student Club 🗣 Official Website **Technologies:** PHP, MySQL, HTML, CSS, JS, Photoshop **BOOTCAMP - OFFICIAL WEBSITE** Portakal Teknoloji Activity Portal **Technologies**: PHP, MySQL, HTML, CSS, JS, Photoshop INFORMATICS ASSOCIATION OF TURKEY Technologies: PHP, MySQL, HTML, CSS, JS, Photoshop

#### **NEDİR?TV WEB PORTAL**

Nedir?TV Software Developers' Community Portal / Online Videos Based Technology Tutorials and Training Portal

BİLİŞİM TEKNOLOJİLERİ IŞIĞINDA EĞİTİM '04 - OFFICIAL WEBSITE IEEE METU Student Club Activity Website

**Technologies**: PHP, MySQL, HTML, CSS, JS, Photoshop

Technologies: Photoshop

#### **KRIPTO**

→ 3D Educational Game

Technologies: Dark Basic, 3d Max, Photoshop

#### **DARKROOM**

• Educational Courseware

Technologies: Macromedia Flash, Movie Maker, Photoshop

### ÇILGIN TOSBA

An Educational Software

Technologies: Visual Basic 6.0, Photoshop

#### ANALYTICS PRESENTER

Google Analytics Online Data Parsing and Reporting API

Technologies: Visual Studio .NET, C#, ASP.NET

#### DRAWINGEDITOR.NET

A Multi-Functional .NET drawing control library

Technologies: Visual Studio .NET, C#, GDI+

#### DİZGİ PRO

Photo Composition and Automation Software (Grade Booklets, Foto Galleries etc.)

Technologies: Visual Studio .NET, VB.NET, GDI+

# 6. TECHNICAL SKILLS

#### General Overview

#### PROGRAMMING LANGUAGES

C#.NET	excellent
VB.NET	excellent
Java	good
C++	average
С	average

#### **▶** WEB - SERVERSIDE TECHNOLOGIES

ASP.NET excellent excellent ASP.NET MVC ASP.NET WebApi excellent ASP.NET Core excellent SignalR excellent PHP excellent ASP good JSP good

#### **♦** WEB - CLIENTSIDE TECHNOLOGIES

**AngularJS** excellent Angular4 excellent Ionic2 excellent TypeScript excellent HTML5 excellent CSS3 excellent excellent JavaScript MS Silverlight & XAML excellent excellent Ajax JSON excellent **JQuery** excellent KnockoutJS excellent RequireJS excellent q.js excellent **Bootstrap** excellent D3JS good

#### DESKTOP

WinForms excellent WPF excellent

#### SERVICE ORIENTED ARCITECTURE

WCF excellent
Web Services excellent
oData excellent
oAuth excellent

#### COMPONENTS

Telerik RAD Components excellent
Telerik KendoUI excellent
Telerik Reporting excellent
FastReports excellent
Crystal Reports excellent
Infragistict excellent
PrimeNG good

#### **DATABASE**

Oracle & PL/SQL excellent Ms SQL & T-SQL excellent MySQL excellent PostgreSQL beginner MongoDB beginner Couchbase beginner beginner Redis excellent Ms Access EntityFramework & LINQ excellent Sybase PowerDesigner good

#### GRAPHIC & ANIMATION SOFTWARES

Adobe Photoshop excellent MS Blend excellent Macromedia Flash excellent

#### ♦ IDE & EDITORS

Visual Studio .NET (2001-2013) excellent Blend for Visual Studio excellent Macromedia Dreamweaver excellent

# Approaches and Techniques

- ☑ Object Oriented Design & Development
- Design Patterns
- ☑ Refactoring
- ☑ Dependency Injection
- ☑ UML and UML Design Tools
- ▼ Test Driven Programming
- ☑ Graceful Degradation Approach
- ✓ Web First & Mobile First

# Platform and Technology Experiences

- Microsoft Sharepoint Portal & Services
- DotNetNuke
- CommunityServer
- .NET Forums
- Windows Media Services
- Active Directory and Software Integration With Active Directory

# Other Experiences and Technical Knowledge

- Windows & web applications performance profiling & optimization
- Multi layer / N-tier Software Architecture Design and Development
- Active usage of Reflection in .NET
- Template based automated Microsoft Office files generation (Example: Template based exam booklet generation)
- Various tools based on E-learning standarts like SCORM
- Application of AJAX in different platforms
- Webservices based / supported system design
- Reports and graphics generations in web & windows environment
- Dynamic image generation and manipulation
- Session based file access and loging applications
- Web based parsing and reporting robot softwares
- Web and windows based automation softwares
- Various web and windows based editor applications
- Modular and Plugin-supported Web and Windows Applications
- Parsing, organizing and reporting website statistics data from Google Analytics

# 7. EDUCATION BACKGROUND

# Academic Background

2012-2013	Graduate School  Middle East Technical University, Ankara Department of Software Management  Course Project Management (OOD, Use Cases, UML, OCL, Design Patterns)  Graduate School	Grade AA
2004-2007	Middle East Technical University, Ankara Computer Education and Instructional Technolog Graduate Date : September, 2007 Graduation Grade : 3.68 / 4.00	ies Department Grade
	Major Courses  • Design Patterns	AA
	(OOD, Use Cases, UML, OCL, Design Patterns)	AA
	<ul> <li>Total Quality Management (Strategic Planning)</li> </ul>	AA
	<ul> <li>Multimedia Information Systems (OS, Networks, Data Types, Compression)</li> </ul>	BB
	<ul> <li>Distance Education</li> </ul>	AA
	<ul> <li>Telecommunication in Education</li> </ul>	AA
1999 - 2004	Undergraduate School  Middle East Technical University, Ankara Computer Education and Instructional Technolog Graduation Date : June, 2004 Graduation Grade : 3.80 / 4.00	ies Department
	Major Courses	Grade
	Programming Languages I (Pascal)	AA
	Programming Languages II (Visual Basic)	AA
	<ul> <li>Authoring Languages on PC Environment (Macromedia Authorware)</li> </ul>	AA
	<ul> <li>Instructional Technology and Material Prepar. (Macromedia Flash MX)</li> </ul>	AA
	<ul> <li>Introduction to C</li> </ul>	AA
	Introduction to C++	AA
	<ul> <li>Advanced Object Oriented Programming (Java)</li> </ul>	AA
	<ul> <li>Fundamentals of Data Systems (SQL)</li> </ul>	AA
	<ul> <li>Authoring Languages on Internet (HTML, JavaScript, ASP, PHP, .NET)</li> </ul>	AA
	<ul> <li>Computer Network Systems</li> </ul>	AA
	<ul> <li>Routing Configuration and WAN Technologies</li> </ul>	AA
	<ul> <li>3D Educational Game Development I (DarkBasic)</li> </ul>	AA
	• 3D Educational Game Development II (3D Max, Rhinoceros, Adobe Atmosphere)	AA

#### 1995 - 1999

#### High School

- Kocaeli Technical High School, Kocaeli
- Computer Programming Branch

#### **Major Courses**

- Pascal
- Visual Basic

# Certificates

1

#### **PROJECT MANAGEMENT**

**Date** : 2, 3, 9 February 2005

Place : METU Continuing Education Center

♣ Presenter : Doç. Dr. Levent Kandiller

#### Context:

- Time Management
  - · Project networks
  - PERT Analysis
- Resource Management
- Risk Management
- Cost Management
- Analysis of a sample Project
- Hands-on Application on Microsoft Project Software
- European Union Projects
- · Organization and procedures of EU Projects
- EU Project life cycle
- European Union Projects' Actors
  - Project Partners and Responsibilities
  - Project Coordinators and Responsibilities
  - Project Managers and Responsibilities

2

# MICROSOFT TECHNOLOGIES VS 2005 AND TEAM FOUNDATION SERVER

Place: Ankara Hilton Oteli Çankaya Salonu

♣ Presenter :

#### Context:

- SQL Server 2005 and .NET Integration
- Visual Studio 2005:

Team Work in Software Development

# Offered Seminars & Conferences

1

#### 3D GAME-LIKE LEARNING ENVIRONMENTS in EDUCATION

☐ Organization : BTIE 2004☐ Date : 22 May 2004

#### Context:

 Presentation of Undergraduate Thesis "EFSANE" which is 3D game covering some Physics topics.

# **Attended Seminars & Conferences**

1

### **ASP.NET**

Date : 28 - 29 February 2004:♣ Presenter : M. Nuri ÇANKAYA

Microsoft Academic Associate Consultant

#### Context:

.NET Framework

Database Connections

ADO.NET

ASP.NET

XML Web Services

Web Controls

Mobile Applications

Security

Web Matrix

Caching in ASP.NET

2

## **MICROSOFT CLASS SERVER**

■ Date : October 2004:▶ Presenter : Ozan Gökçen

Microsoft Academic Associate Consultant

 ♥ Place
 : Halıcı Eğitim Merkezi / ODTÜ Teknokent

#### Context:

Class Server

Server and Client Architecture

LRM Packages

Active Directory Integration

Scalability

3

# MICROSOFT CLASS SERVER, LEARNING GATEWAY, SHAREPOINT PORTAL and CLASS SERVER 4.0

**Date** : 5, 6 April 2005

⚠ Presenter: Mr. Neilus / Microsoft Academic Associate Consultant

Place: Microsoft Türkiye, İstanbul Şubesi

#### Context:

- Class Server, Server and Client Architecture
- LRM Packages
- Active Directory Integration
- Scalability
- Learning Gateway
- Share Point Portal
- Class Server 4.0

# Language Education, Exams and Skills (English)

#### 1. Language Skills

✓ Reading : Very Good✓ Writing : Good✓ Speaking : Good

#### 2. Academic Education in Language

- METU Basic English School in 1999 - 2000 Academic year (1 year)
- ENG 101 ENGLISH-READING AND WRITING SKILL DEVELOPMENT I (CB) during METU Undergraduate Education
- ENG 102 ENGLISH-READING AND WRITING SKILL DEVELOPMENT II (AA) during METU Undergraduate Education
- ENG 211 ENGLISH READING AND VERBAL COMMUNICATION (AA) during METU Undergraduate Education

# 8. REFERENCES

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Academic

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■ Mediterranean University - ♥ Antalya / TURKEY

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