Muhammet **TURŞAK**
- Extended Curriculum Vitae and Portfolio -

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📅 **Date of Birth** : 1982
📍 **Place of Birth** : Kocaeli / TURKEY

▶ **Nationality** : Turkish
🚀 **Military Obligation** : Performed *(completed in 2008)*
🪪 **Driving License** : A Class *(since October 2005)*

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1. PERSONAL CAREER GOAL

Vision:

My vision is to play leading roles within scope of the global successful software projects and products that are excellent examples of their sector in terms of both business value and technological advancements and have a permanent positive impact on the ecosystem.

Mission:

As a chief software architect my mission for companies producing large scale information systems is to lead core research and development teams to develop frameworks, major building blocks and tools to provide highly cost and time effective, easy to maintain, scalable, traceable, robust, secure and high performance base platforms for enterprise level products on time and within in budget.

Positions:

- Software Group Director (6+ years of experience)
- Research & Development Director (2 years of experience)
- Project Manager (5+ years of experience)
- Software Architect (6+ years of experience)
- Software Team Leader (5+ years of experience)

2. PROFESSIONAL SUMMARY

18	**14**	**16**	**19**
years of	years of	years of	years of
Professional Experience	**Management Experience**	**.NET Experience**	**Web Dev. Experience**
since 2001	since 2005	since 2003	since 2000

- ☑ **50+** Total Projects
- ☑ **10+** Research & Development Projects
- ☑ **5+** National Projects
- ☑ **5+** International Projects
- ☑ **4** Major Domains

3. PROFESSIONAL WORK EXPERIENCE

Gamyte
2019 - Present   Senior Software Architect and Team Leader

ERC Group Engineering, Consultancy and R&D Services Co.
2013 - 2019   Senior Software Architect and Group Leader

DataSel Information Systems Co.
2012 - 2013   Senior Software Architect and Group Leader
2011 - 2012   Senior Software Developer

Fonet Software Co.
2010 - 2011   Research & Development Director
2009 - 2010   Software Team Leader

Halıcı 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

🏆 **XI. 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

Health Informatics	**E-Learning**	**ERP & CMS**	**E-Commerce**
20+ projects **7+** years of exp.	**10+** projects **8+** years of exp.	**10+** projects **7+** years of exp.	**5+** projects **5+** years of exp.

Major Project Types

Software Development Frameworks	**Enterprise Portal Systems**	**Backend Services**	**Online Video & Conferencing**
5+ projects **10+** years of exp.	**15+** projects **15+** years of exp.	**8+** projects **15+** years of exp.	**5+** projects **8+** years of exp.

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:
- SPMS – Portugal
- SMS – Spain
- So.Re.Sa - Italy
- Lifewatch AG - USA
- Ministry of Health – KSA
- Ministry of Interior – KSA
- Ministry of Health – Uzbekistan
- UNHCR
- Papers & Rogers
- Democratic Left Party

Turkey:
- Lifewatch Turkey
- 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:
- Gnomon - Greece
- CERTH - Greece
- Promptly - Portugal
- Medisante – Switzerland
- GPI - Italy
- Ucell - Uzbekistan
- Etisalat - UAE
- HAAD & GreenRain - UAE
- Welch Allyn - USA
- Cisco - USA
- IBM - USA

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. Democratıc 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.

ERC Group Engineering, Consultancy and R&D Services 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. Front-end mainly provides advanced data-enabled advanced components (like Dynamic Grids & DataForms) and also core framework environment & libraries for front end.

Backend is based on **.NetCore**, **ASP.NET MVC, WebApi, EntityFrameworkCore, 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, .NETCore, C#, ASP.NET MVC, WebApi, EntityFrameworkCore, LINQ, docker, AngularJS, RequireJS, Bootstrap, linqJS, AngularStrap, Jquery, MS SQL Server, Oracle, MongoDB, JSON, oAuth

PROEMPOWER – DM4ALL SOLUTION

▥ *ERC Group Engineering, Consultancy & R&D Services Co. And Gnomon Informatics SA Consortium*

🏷 *Specialize Diabetes Management Platform*

It is PCP project founded and audited by European Union. The DM4ALL is our solution to solve challenge for innovative ICT for patient empowerment and self-management of type 2 diabetes mellitus procured by the ProEmpower consortium. As an international consortium, we are awarded for first 2 phases of 3-phased project by ProEmpower Project Commitee.

Within this project we utilized our product **AHIN** for integrations between DM4All solution components and National Health Information Systems for each procurer country. Procurer Countries: **Turkey, Italy, Spain, Portugal**

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

AHIN – AVICENNA HEALTH INTEGRATION NETWORK

▥ *ERC Group Engineering, Consultancy and R&D Services Co.*

🏷 *Integration Platform and Ecosystem for Health IT Ecosystem*

AHIN has designed and underdevelopment to provide a single, standart and secure point of integration plaform for health information owned by patients and healthcare providers. Ultimate goal is to create an ecosystem consists of broad amount and type of healthcare devices, software solutions, mobile apps and all other stake holders of the market like healthcare service providers, insurance companies etc.

In this scope of solution, major components are integration services, management consoles, auhthentication services, online documentation and test platform, SDKs, sample projects etc.

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**.

We have a mature continuous deployment and devops pipeline based on **jenkins, gitlab, nuget, docker, docker swarm, docker registry, traefik** etc. And we monitor our servers using **prometheus** and **grafana**.

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

AVICENNA ATTP

🏢 *ERC Group Engineering, Consultancy and R&D Services 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

🏢 *ERC Group Engineering, Consultancy and R&D Services 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, 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;
  - Textbox, databox, numericbox, listbox, combo, multilinebox, checkbox etc.
  - 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 Eczacıbaşı 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

▥ *Halıcı 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

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
🏢 *UNHCR*   🏷 *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*

MİLLİYET 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

BİLİŞİM TEKNOLOJİLERİ IŞIĞINDA EĞİTİM '04 - OFFICIAL WEBSITE

▦ IEEE METU Student Club 🏷 *Activity Website*

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

Technologies: Photoshop

KRİPTO

🏷 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

🏷 CLOUD

AWS	good
Azure	good
DigitalOcean	good
Heroku	beginner
Google Cloud	beginner
Alibaba Cloud	beginner
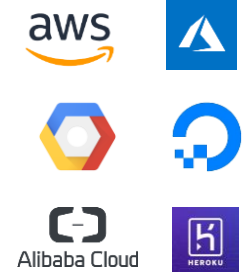
🏷 IDE

Visual Studio .NET	excellent
VSCode	excellent
Eclipse	excellent
Blend for Visual Studio	excellent
Macromedia Dreamweaver	excellent

🏷 ALM Tools

Git	excellent
Gitlab	excellent
Github	excellent
TFS	excellent
Mercurial	excellent
Nuget	excellent
Npm	excellent
ProGet	excellent
Docker Registry	excellent
Nexus	excellent
Grunt	excellent
Maven	excellent
Apache Ant	good
Visual SourceSafe	excellent
SVN	good
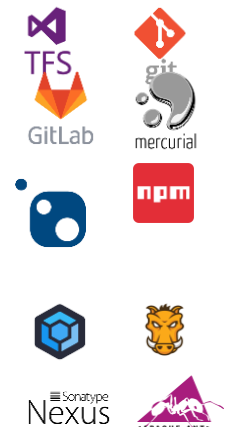
🏷 DEVOPS & SYSTEM

Jenkins	excellent
Docker	excellent
Docker Swarm	good
Kubernetes	beginner
VMware	excellent
Linux Shell Scripting	good
PowerShell Scripting	good
Prometheus	good
Grafana	good
Zabbix	good
Traefik	good
Portainer	excellent
Swarmpit	good
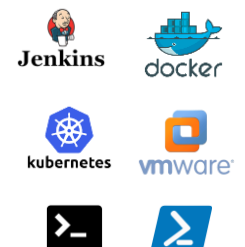
🏷 PROGRAMMING/SCRIPTING LANGUAGES

C#.NET	excellent
Java	good
JavaScript	excellent
VB.NET	excellent
C++	average
C	average
Python	beginner

🏷 WEB – SERVERSIDE TECHNOLOGIES

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

🏷 WEB – CLIENTSIDE TECHNOLOGIES

AngularJS	excellent
Angular	excellent
Ionic2	excellent
TypeScript	excellent
HTML5	excellent
CSS3	excellent
Silverlight & XAML	excellent
Ajax	excellent
JSON	excellent
JQuery	excellent
KnockoutJS	excellent
RequireJS	excellent
Bootstrap	excellent
Sass & Less	excellent

🏷 WEB – SERVERS

IIS	excellent
Apache Tomcat	excellent
Nginx	excellent
Jetty	excellent

🏷 MOBILE DEVELOPMENT

Ionic	excellent
Apache Cordova	good
Xamarin	beginner

🏷 DESKTOP – CLIENTSIDE TECHNOLOGIES

WinForms	excellent
WPF	excellent
Swing	excellent
JavaFx	good
Electron	beginner

🏷 SERVICE ORIENTED ARCITECTURE

WCF	excellent
Web Services	excellent
oData	excellent
oAuth	excellent
REST Services & JSON	excellent
GraphQL	beginner
gRPC	beginner

🏷 COMPONENTS

Angular Material	excellent
Telerik RAD Components	excellent
Telerik KendoUI	excellent
PrimeNG	good
D3JS	good
Telerik Reporting	excellent
FastReports	excellent
Crystal Reports	excellent
Infragistics	excellent

🏷 DATABASE

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

🏷 GRAPHIC & ANIMATION SOFTWARES

Adobe Photoshop	excellent
MS Blend	excellent
Macromedia Flash	excellent

🏷 TESTING

jasmine	beginner
MSTest Framework	good
Microsoft Test Explorer	good
SoapUI	good
Postman	good
Fiddler	good

🏷 OS

Windows Servers	excellent
Linux (Ubuntu, CentOS)	good
MacOS	beginner

Approaches and Techniques

- ☑ Design Patterns
- ☑ Enterprise Design Patterns
- ☑ Anti-Patterns
- ☑ Object Oriented Design & Development
- ☑ SOLID Principles and their implementations
- ☑ Active Refactoring
- ☑ Dependency Injection & Inversion of Control
- ☑ UML and UML Design Tools
- ☑ Test Driven Programming
- ☑ Graceful Degradation Approach
- ☑ Mobile First & Web First Design
- ☑ Scrum and Agile Methodologies

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	Grade
• Project Management	AA
(OOD, Use Cases, UML, OCL, Design Patterns)	

2004-2007

Graduate School
🪪 **Middle East Technical University, Ankara**
🪪 Computer Education and Instructional Technologies Department
Graduate Date   : September, 2007
Graduation Grade   : 3.68 / 4.00

Major Courses	Grade
• Design Patterns	AA
(OOD, Use Cases, UML, OCL, Design Patterns)	
• Total Quality Management	AA
(Strategic Planning)	
▪ Multimedia Information Systems	BB
(OS, Networks, Data Types, Compression)	
▪ Distance Education	AA
▪ Telecommunication in Education	AA

1999 – 2004

Undergraduate School
🪪 **Middle East Technical University, Ankara**
🪪 Computer Education and Instructional Technologies Department
Graduation Date   : June, 2004
Graduation Grade   : 3.80 / 4.00

Major Courses		Grade
• Programming Languages I (Pascal)		AA
• Programming Languages II (Visual Basic)		AA
• Authoring Languages on PC Environment		AA
(Macromedia Authorware)		
• Instructional Technology and Material Prepar.		AA
(Macromedia Flash MX)		
• Introduction to C		AA
• Introduction to C++		AA
• Advanced Object Oriented Programming		AA
(Java)		
• Fundamentals of Data Systems		AA
(SQL)		
• Authoring Languages on Internet		AA
(HTML, JavaScript, ASP, PHP, .NET)		
• Computer Network Systems		AA
• Routing Configuration and WAN Technologies		AA
• 3D Educational Game Development	I	AA
(DarkBasic)		
• 3D Educational Game Development	II	AA
(3D Max, Rhinoceros, Adobe Atmosphere)		

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**

📅 **Date**　　　　　: 9 February 2005
📍 **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, SHAREPOİNT 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 : **Very 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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