



## Education

- 2009 - 2012 **Masters of Science in Industrial Engineering and Operations Research**, *University of Massachusetts at Amherst*, MA/USA, .  
Thesis: Factors Which Influence Key Entry Speed On Hard and Soft Keyboards: Experience, Eye Behaviors and Finger Movements
- 2004 - 2008 **Bachelors of Science in Management Engineering**, *Istanbul Technical University*, Istanbul/TURKEY, .  
Thesis: Business model design of an online advertisement agency

## Professional Experience

- Sep 2018 - **Senior Software Developer**, *Koc System*, Istanbul/TURKEY, .  
Present
  - Performed in a Technical Lead Developer role in development of PLEASE Leasing Application, Windows Task Schedulers, Online and Vendor Applications.
  - Played active role in supporting and solving customer issues.
  - Managed and Executed Test and Production Deployment Processes in accordance with customer demands.
  - Redesign of database packages in order to reduce dependency issues faced in production deployment.
  - Upgraded Windows Server Version of Test, UAT and Production servers. Migrated applications to new servers and realized testing phase.
- Sep 2017 - **Senior Software Developer**, *Citibank*, Istanbul/TURKEY, .  
Sep 2018
  - Local Banking Application -Windows Form Application- modules developed in C# and .NET 2.0 Framework.
  - Development of Legal Reporting and Integration applications in C# and .NET Framework.
- Jun 2016 - **Software Developer**, *TRT WORLD*, Istanbul/TURKEY, .  
July 2017
  - Internal Portal project is developed in ASP.NET Web Forms.
  - Sharepoint (WebParts & WebApp) Portal and Microsoft Dynamics AX (SSRS Reports) is developed.
- May 2015 - **Software Developer**, *Tekniks Technology*, Istanbul/TURKEY, .  
Jun 2016
  - Fixing bugs, refactoring and supporting Sayax Application.
  - Designing, Building and Testing stand-alone applications based on the customer demands.
- Jan 2013 - **Software Developer**, *Unit Electric*, Istanbul/TURKEY, .  
May 2015
  - Automated power trade processes mostly on wholesale trade by developing modules into existing software.
  - Generated various reports and built forecast models that aided traders on futures market.
  - Production optimization model is built for run of river type hydro power plants using AMPL and Cplex Solver.
- 2011 - 2012 **Research Assistant**, *University of Massachusetts, Arbella Insurance Lab*, MA/USA, .
  - Designed an experiment for analyzing eye movement behaviors and text entry times for soft screen users.
  - Developed a command line program for analyzing letter characteristic of text passages.
  - Developed a program to take user input in JAVA 2SE
- 2010 - 2011 **Research Assistant**, *University of Massachusetts, Dyams Simulation Laboratory*, MA/USA, .
  - Designed a state dependent simulation of building evacuation in order to determine bottlenecks.
  - Built a web site to enable users to run building evacuation models using a JAVA Applet

## Projects

### Database Package Redesign

- Description Database Packages are divided into stored procedures to resolve dependency issue in production deployments.

Technology C#, .NET 4.7.2 , PL/SQL, SAP Crystal Reports

Role

- Developed an application to divide database packages to individual stored procedures.
- Modified existing reports developed in SAP Crystal Reports that addresses individual procedures.
- Altered Business Layer in accordance with generated procedures.

### Leasing via Credit Card

Description A new feature is built into PLEASE Leasing Application so that users would lease via credit card.

Technology C#, .NET 4.7.2 , PL/SQL, ASP.NET MVC

3<sup>rd</sup> Party QR Coder

Library

Role

- Integrated a new payment process that complies with existing leasing process into PLEASE Leasing Application.
- Developed "Payment System" application that enables online payments for users.
- Designed new approval mechanism and e-mail notifications for new payment method.

### Foreign Currency Credit and Income Nomination Project (Citibank)

Description By May 2<sup>nd</sup> 2018 all banks are obliged to nominate foreign loan credits and customer income to Credit Bureau (KKB) online. Citibank's current crediting process is altered to comply with KKB online system

Technology C#,.NET 2.0 & .NET 4.5.1 , WCF, Windows Services, SQL Server, T-SQL

3<sup>rd</sup> Party RestSharp, Quartz Scheduler, Devexpress, SimpleConfigSections

Library

Role

- KKB REST API methods and Token Services are implemented in a WCF application.
- Two windows services are built. One for stock credits and the other one for credit automatic payments delivery.
- Windows forms are developed under local CitiUser application.

### Banks Association of Turkey Risk Central Reports Automation (Citibank)

Description Reports such as Limit Risk,Limit Risk Lease, Credit Approve-Rejected and Derivative are mandatory to send Risk Center. Automated report data and file generation is done under the scope of this project.

Technology C#, .NET 2.0 & .NET 4.5.1 , Windows Task Scheduler, LinqToSql, SQL Server, T-SQL

Role

- A total of 8 windows schedulers created for each report type. One for data generation and one for report output delivery to FTP server.
- Stored procedures are created in order to prepare report data on warehouse.
- Windows forms are developed under local CitiUser application in order to view report status.

### Automated Invoice System Project (Citibank)

Description Online payment system is built for customer invoices

Technology C#, .NET 2.0 & .NET 4.5.1 , Windows Services, IBM MQ, SQL Server, T-SQL, Entity Framework

Role

- A windows service application is developed in order to get invoice data and deliver it to IBM MQ to be sent to Flex Banking Application

### End Of Vendor Support Database Migration (Citibank)

Description Microsoft Sql Server 2005 database migration to Microsoft Sql Server 2012

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Technology SQL Server, T-SQL, SSIS, DTS, Visual Basic

Role

- DTS packages are converted to SSIS packages. Script tasks are converted from Active Script to Visual Basic.
- Existing Visual Basic Code is refactored and stored procedures are optimized.

### Internal Portal Project (TRT WORLD)

Description Web application in order to carry out Human Resources Department operations and replace Microsoft Dynamics AX

Technology ASP.NET, Web Forms, HTML, Css, JavaScript, JQuery, Telerik, LinqToSql, T-SQL

Role

- Developed a web portal in ASP.NET Web Forms that enables HR department to handle staff and personnel affairs.
- Active Directory is integrated for user logins and authorization in application.
- KPI evaluation system is built into internal portal so that HR can effectively measure personnel performances.

### Power Plant Shift Follow-Up Application (Tekniks Technology)

Description A stand-alone windows form application that enables managers to follow shift incidents and generate reports

Technology C#, .NET, LinqToSql, T-SQL, Devexpress

Role

- Business requirement is gathered and database design is done.
- A stand-alone application is built for each shift responsible to enter incident data as a Winform application.
- Built SSRS reports that visualizes power plant incidents.

## Technical Skill

Programming Language C#

Scripting Language HTML, CSS, Java Script, JQuery, React, XML, JSON

Platforms/Framework .NET, ASP.NET MVC

Database MS SQL-T-SQL, ORACLE-PL/SQL

ETL SSIS

ORM LinqToSql, Entity Framework (DB First & Code First)

Development Tools Microsoft Visual Studio 2013 and 2015, 2017

Version Controlling Tool Team Foundation Version Control, Git

Concepts Object Oriented Programming, Design Patterns and Refactoring

Other Jira, AMPL, IBM Ilog, IBM MQ ,Cplex, Latex, Telerik UI for ASP.NET AJAX, Devexpress Components, Telerik, MS Office, SSRS, SAP Crystal Reports

## Workshops and Seminars

2019 Advanced ASP.NET MVC

2019 Building Applications with React  
2015 Design Patterns in C#  
2015 Advanced topics in .NET and C#  
2016 MS Dynamics AX Development I  
2016 MS Dynamics AX Development II  
2016 MS Dynamics AX Development III