

BARIŞ AYDEK

Software Specialist

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More: [Linkedin](#) - [Simplified CV](#)

EDUCATION

- Pamukkale Üniversitesi, Computer Engineering
- İzmir Milli Piyango Anadolu Lisesi

JOB EXPERIENCES

- **08.2013- 31.12.2016 - Amadeus Turkey**

On Amadeus Turkey, we are responsible for doing developments and maintainings for our e-Power product. e-Power heavily uses Amadeus services. But there are lots of features on top of the product that add value to the customers.

The main purpose of e-Power is selling flight tickets or making hotel reservations using Amadeus and other third-party services like Turkish local providers and TravelFusion.

Project management on Amadeus Turkey is in Amadeus Nice by Product Managers. They evaluate requests from all over the world, prepare needed documents like user stories, test cases, illustrations etc. and we deliver them using Kanban and Agile principals.

Currently e-Power is used by 1000+ booking portals and consolidators on 12+ machines for their B2B and B2C needs.

Technical structure of ePower:

ePower serves web pages, APIs and services on top of an SQL database with various flight providers including amadeus, and it provides its customers to customize their products by their needs. To do that ePower uses a layered rule engine that can be configured from services to data, from business needs to UI. To make this diversity of services and customizations possible, ePower uses best techniques and methods such as OOP, DDD, multitier layer architecture, web services, rule engines.

Main Technologies Used:

C#, ASP.NET MVC, Web Services, TFS, MS SQL 2008 R2/2012 SP2, Jenkins

Technical projects involved and responsibilities:

Application configuration management for deploying to various machines on multiple farms
Unit test initial setup, Test and Code Coverage Reports integration for Jenkins
Application security
Flight, Hotel, Payment, Webservice module features

- **08.2012 - 07.2013 - Gezisitesi.com, Software Development Specialist**

Gezisitesi is an online booking e-trade company which was under Doğan Online umbrella, but sold to another company recently. I took this job to develop my web skills because my earlier job has a product of complex algorithms on top of ASP.NET technologies and used for mostly enterprise applications.

In the first months, I worked on an desktop application which for temporarily fixing XML bugs of SAP transfer data (was broken because of web application's SAP integration code bugs).

After that I worked on logging and analyzing of web application's bugs mainly from AJAX calls, including sending them to support team asynchronously. Meanwhile I tried to understand architectural problems of the application such as dependency cycles, code reuse problems, exception handling and business inconsistencies such as displaying same price all over the application. Also I analysed code publishing problems such as differentiating source code branches (DEV, TEST, PROD).

For assisting my coworkers on projects I decided to search on testing software systems, such as unit testing, integration testing and ui testing, including test driven development methodology. But we couldn't generalize this on out team, I tried to apply these rules on my own.

After that attempts of analyses and refactorings, I worked on the actual bugs mostly on application's JavaScript code.

Writing one of the services which manually ran as a windows service and various bugs.

In the last 6 months, I worked on assisting of Software Consultant Team renewing the domestic hotel module of the site. We used NHibernate for ORM requirements, and ASP.NET MVC 4 and Razor 2 for web application, WCF for application services.

- **07.2010 - 08.2012 - CRONOM, Software Specialist**

I worked on an enterprise product (OttO) which supplies company's ORM, screen generation, workflow, and business needs. This product lets its users to develop web based applications with database integration (mostly on Oracle and MSSQL), to build web pages integrated with workflows. That is done by writing XML definitions. Product also has a built-in scripting language (which works in screens and workflows for business needs), Administrator pages and user - role management structures. Product is shipped with an optional tool (Windows Forms) which provides click and drop screen and workflow XML generation, and database (metadata) management with easy wizards. This tool has a WYSIWYG editor which you can design and write scripts without knowing underlying XML based technologies.

At the first year I worked on supporting this product with fixing bugs and developing features at clients' needs. Also worked on in-house solutions in Coca Cola İçecek, GlobalBilgi (Turkcell), Abdi İbrahim and Ulaşım A.Ş. That year I learned basic asp.net web development skills (because it is a web framework that works on top of ASP.NET technologies), and mostly back-end programming skills like maintaining and developing ORM, creating ASP.NET, HTML, JavaScript from deserializing XML.

Also by working in-house projects, I learned about enterprise companies' general business needs which like organization management (authentication, authorization), scripting, workflow and enterprise web forms, and service oriented architectures like WCF which the product can work on if it is configured so.

In the second year I mostly worked in Cronom Support and Development Team on a rolling basis. In that period I worked with all parts of the product, including product design tool made with windows forms and DevExpress. This let me to develop my programming skills (BT AKADEMI Enterprise Courses helped a lot in these skills). Also I have a well knowledge on the complex product code base and architecture. On the last 4 months I did a project with the product to work with cloud platforms and started to build a web platform for managing this cloud product. This let me to develop my SOA knowledge using WCF technologies, and deployment libraries found on .net platform. In this development cycle I studied Test Driven Development heavily and practiced it using NUnit framework.

SOME INTERESTING OPENSOURCE PROJECTS I MADE

- * [Aspect Oriented Programming](#): I wanted to try and test different methods of AOP from IL weaving to intercepting using IOC containers.
- * [Node.js realtime chat application](#): Using node.js socketio and redis pubsub pattern I implemented a realtime chat application. Details are explained on [my Turkish blog article](#).
- * [C# Functional programming](#): Functional programming concepts like function composition, either, option, LINQ and immutability using c# and [language-ext](#) library.
- * [Python game](#): University project of a 2d isometric python game with some AI using object oriented and event driven programming.

COURSES & SEMINARS

- OOP & Design Patterns / BTAkademi, 32 hours
- Advanced C# / BTAkademi, 50 hours
- Enterprise Design Patterns / BTAkademi, 32 hours
- Enterprise Library 5.0 / BTAkademi, 10 hours
- WCF / BTAkademi, 18 hours
- ASP.NET MVC Framework / BTAkademi, 18 hours
- Windows Azure/Microsoft, 24 hours

CERTIFICATES

- Fundamentals of Application Security / Team Mentor (Score: 92/100)
- [Learning how to learn / coursera \(Score: 92.4/100\)](#)
- [Functional Programming Principles in Scala \(Grade Achieved: 96.0%\)](#)

LATEST INTERESTS (Learning)

- **Functional Programming, Scala**
- **Javascript, ES2015/2016, Webpack**
- **React.js**
- **Docker, Agile, Lean, DevOps**
- **Concurrency**

TECHNICAL QUALIFICATIONS

- C#, JavaScript, Scala, Python
- WCF, ASP.NET/MVC, Express.js
- MS SQL 2008, MongoDB, Redis
- Node.js, Meteor.js
- TFS, Git
- OOP & Design Patterns, Software Development Methodologies, Test Driven Development, NHibernate
- Windows Azure Platform, Mac OS X, Ubuntu Linux

FOREIGN LANGUAGES

- English - Reading, writing, speaking - Good
- German A2