

## **Personal Information:**

**Full Name** : Kağan BALGA  
**E-Mail** : hi@kaganbalga.com

## **Educational Background:**

2018 - 2020 **Selcuk University (Konya)**  
Master of Computer Engineering (CGPA: 96,42/100)  
2014 - 2018 **Selcuk University (Konya)**  
Bachelor of Computer Engineering (CGPA: 3,53/4 - Ranked 3th)

## **Job Experiences:**

**Travanto Ferienwohnungen GmbH** **Hamburg - GERMANY**  
Backend Developer (PHP) 28.02.2019 - Current

I have taken part of the development team for online booking & reservation management, property management systems, channel managers and API infrastructure with other booking platforms. I used PHP8, MySQL, Laravel, OAuth2, VueJS, GraphQL, Typescript, NodeJS, Apollo, AWS, Apache Solr, MongoDB and Docker technologies at production level. For inhouse projects (not production level) I also used Python Flask, Tensorflow and Keras libraries. I developed and designed Frontend & Backend parts for the company projects. I trained and used various Deep Learning models for company usage. I worked on some very basic DevOps projects for inhouse server deployments or pipeline design.

**ASARDA (ASARGE) Research Consultancy Software Inc.** **Konya - TURKIYE**  
Backend PHP & NodeJS Developer 10.02.2018 - 01.01.2019

I took part in the development team at the “Online Veri” Project. “Online Veri” is an online survey system that developed with C#. For the new version (V2) of the “Online Veri” project, NodeJS, React, Redux and MongoDB (with Mongoose) technologies have been used. I developed Backend & Frontend parts for this project. I developed OpenCart extensions for the clients. I designed and created personal & corporation websites and blogs using WordPress for private clients.

**Armiya Information Technologies Security Systems Ltd.** **Konya - TURKIYE**  
Software & Hardware Intern 30 Business Days - 03.07.2017 - 07.08.2017

I tested popular Code Integrity and Code Delivery tools like Travis-CI, Code Coveralls, CodeClimate, etc. I set some test pipelines for running unit tests on PHP codes. I used these pipelines for small PHP libraries that I developed for the company. I developed a small package that fetches the daily currency rate data from the Central Bank of Turkish Republic and published this package in the Packagist package manager. I read the book Building Microservices from Sam Newman and reviewed microservice applications.

**Paximum Information Software Services Inc.**

**Antalya - TURKIYE**

Software Intern

30 Business Days - 11.07.2016 - 13.08.2016

I developed an application that receives currency exchange rate information from the development version of the Paximum API. I created a library for serializing and deserializing XML and JSON. I made a converter application that converts the Paximum C# library DLL files to PHP language using C# and Reflection.

**Publications:**

**Mevlüt Kağan BALGA**, Fatih BAŞÇİFTÇİ, 2023, "A Basic Comparison of MySQL, PostgreSQL and MariaDB Relational Databases Using PHP on Docker", World Congress on Information Technology and Computer Science, 19-20 November 2023, Bratislava/Slovakia, ISBN: 978-93-90150-32-8, pp. 37-53.

**Mevlüt Kağan BALGA**, Fatih BAŞÇİFTÇİ, 2022, "Developing a Socket IO Application with Using the WebSocket Protocol and Stress Testing", International Conference on Innovative Academic Studies (ICIAS), 10-13 September 2022, Konya/Türkiye, ISBN: 978-605-73046-0-5, pp. 228-232.

**Mevlüt Kağan BALGA**, 2020, The Classification and Application of The Rooms In Holiday Homes By Deep Learning, Selcuk University, The Graduate School of Natural And Applied Sciences, Master Thesis.

**Mevlüt Kağan BALGA**, Fatih BAŞÇİFTÇİ, 2019, "Comparison of NodeJS and PHP Technologies with Code Samples", 651st International Conference on Management and Information Technology (ICMIT), Hamburg – Germany, 4 – 5 August 2019, Proceedings of Academics World 139th International Conference, pp. 24 – 29, ISBN: 978-93-89090-64-2.

**Mevlüt Kağan BALGA**, Fatih BAŞÇİFTÇİ, 2019, "The Benchmark Comparison of Raspberry Pi 3 Model B and Zero W Models and A Sample Person Tracking Application", 10th International Conference of Strategic Research on Scientific Studies and Education (ICoSReSSE), Rome – Italy, 17 – 18 June 2019, pp. 435 – 446, ISBN: 978- 605-69047-3-8.

**Mevlüt Kağan BALGA**, Fatih BAŞÇİFTÇİ, 2017, "REST API Based Image Processing Interactive Person Tracking Application", IEEE 2017 International Conference on Computer Science and Engineering, Antalya – Turkey, 5 – 8 October 2017, pp. 27 – 32, ISBN: 978-1-5386-0930-9. DOI: <https://doi.org/10.1109/UBMK.2017.8093545>

**Mevlüt Kağan BALGA**, Sinem ARSLAN, Fatih BAŞÇİFTÇİ, 2016, "Vehicle Watch and Dynamic Warning System", International Scientific Conference on Applied Sciences (ISCAS), 27-30 September 2016, Antalya/Türkiye, ISBN: 978-605-65700-3-2, Volume II, pp: 169-173.

**Mevlüt Kağan BALGA**, Sinem ARSLAN, Fatih BAŞÇİFTÇİ, 2016, "Arduino Based Automobile Threat Detection and Inform System", International Scientific Conference on Applied Sciences (ISCAS), 27-30 September 2016, Antalya/Türkiye, ISBN: 978-605-65700-3-2, Volume II, pp: 32-36.

## **Personal Projects & Contributions:**

**Menufizz.Com:** MenuFizz provides digital QR menu solutions for Restaurants, Bars, Cafes and Hotels. It's developed with Laravel 8, PHP 7 and MySQL. I developed this project for testing the new features of Laravel 8. I used Laravel Breeze for the Auth. Planning to develop an API with Oauth2 for popular food ordering platforms like Yemek Sepeti or Lieferando.

**Symfony:** I found a bug in the Symfony-Mailer package and fixed it. As it's described in the contribution guide of Symfony, I made the fix in the main Symfony repository and opened a Pull Request (#51568). I'm an official contributor of the Symfony project. (See: <https://github.com/symfony/symfony/releases/tag/v6.3.5> & <https://symfony.com/contributors/code>)

## **Certificates:**

TELC Prüfung B1 Deutsch Zertifikat (**13.04.2020**)

Deutsch Akademie A2 / B1 Teilnahmebestätigung (**01.02.2020**)

## **Software Knowledge:**

\*PHP & MySQL

\*Laravel & Symfony

\*VueJS

\*Vuex

\*Javascript & jQuery

\*Typescript

\*NodeJS

\*GraphQL

\*Webpack

\*Docker / AWS

\*MongoDB

\*ReactJS

\*Redux/Thunk

\*Apache Solr

\*CSS & SCSS

\*\*Tensorflow & Keras

\* Used at production level projects

\*\* Used at non-production/in-house projects

## **Foreign Languages:**

English                      Advanced

Germany                      B1 Level (TELC Zertifikat)