

# BERKAY YASIN CIFTCI

Software & RPA Developer

[berkayyasinciftci@gmail.com](mailto:berkayyasinciftci@gmail.com) • +90 507 737 63 87

<https://www.linkedin.com/in/berkay-c/> • <https://github.com/berkay-c>

## Summary

As an accomplished **Software and RPA Developer**, I have successfully led numerous **RPA projects** that demonstrate my expertise and ability to deliver tangible results. At **Beko Corporate** and **Arçelik Global**, I developed a **meeting scheduling application** using **Power Apps** that significantly improved internal meeting efficiency by implementing key performance indicators (**KPIs**) and constraints. I also proactively monitored and resolved errors in **RPA projects**, leveraging **OCR** and **Document Understanding** technologies to enhance operational accuracy. My mentoring role in the **DigiCrew Program** involved training participants in **RPA Citizen Developer**, further showcasing my leadership and technical proficiency in **RPA development**. These experiences underscore my capability to optimize processes and drive technological advancements in RPA.

## Skills

Software Development • RPA • Python • UiPath • Next.js • SQL Databases • Microsoft Power Platform • VB.NET

## Work Experience

### Associate Process Digitalization RPA Developer

Apr 2024 – present

[Beko Corporate](#) • Full-time

Istanbul, Turkey

**Technologies:** VB.NET • SQL Databases • UiPath RPA • API Integration • Microsoft Power Platform

- **Mentored** participants in the **DigiCrew Program** for RPA Citizen Developer training, providing **technical support** and guidance for RPA projects.
- **Developed** a meeting scheduling application using **Power Apps** to optimize internal meeting efficiency. Implemented constraints and focused on **key performance indicators (KPIs)** to ensure effective meeting management.
- Evaluated and understood **customer needs**, ensuring alignment with project goals. Drafted **Project Definition Documents (PDD)** based on **Subject Matter Expert (SME)** inputs and created detailed **workflows** for process development.
- Implemented processes following the **Robotic Enterprise Framework (REF)** and adhered to **global development standards** including naming conventions, file organization, and documentation practices. Validated processes based on analysis documents, ensuring **compliance** and **efficiency**.
- Monitored and resolved **errors** proactively, leveraging **OCR** and **Document Understanding** technologies in **RPA projects** to streamline operations and **improve accuracy**.

### Associate Process Digitalization RPA Developer

Dec 2023 – Apr 2024 • 4 mos

[Arçelik Global](#) • Full-time

Istanbul, Turkey

**Technologies:** VB.NET • UiPath RPA • SQL Databases • Microsoft Power Platform • API Integration

- **Mentored** participants in the **DigiCrew Program** for RPA Citizen Developer training, providing **technical support** and guidance for RPA projects.
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## Software & RPA Developer

Jan 2023 – Dec 2023 • 11 mos

Arcelik Global • Part-time

Remote

**Technologies:** RPA UiPath • Full Stack • Python • Next.js • React

- Developed **advanced functional test scripts** using **Python Selenium** to rigorously test the Chat Bot, resulting in a **30% reduction** in **testing time** and **enhanced software reliability**. Contributed to the development of a **modern web application** with **Next.js** and **Flask**, improving **control** and **performance**.
- Contributed to the development of the **MLOPS platform**, focusing on the **Artificial Intelligence** components of the ChatBot. Developed **front-end functionalities** using **Next.js**, **NextAuth**, **React**, and **Tailwind CSS**, and integrated APIs to enhance platform capabilities.
- Evaluated and understood **customer needs**, ensuring alignment with project goals. Drafted **Project Definition Documents (PDD)** based on **Subject Matter Expert (SME)** inputs and created detailed **workflows** for process development.
- Implemented processes following the **Robotic Enterprise Framework (REF)** and adhered to **global development standards** including naming conventions, file organization, and documentation practices. Validated processes based on analysis documents, ensuring **compliance** and **efficiency**.
- Monitored and resolved **errors** proactively, leveraging **OCR** and **Document Understanding** technologies in **RPA projects** to streamline operations and **improve accuracy**.

## LIFT UP AI Researcher

Sep 2022 – Dec 2023 • 1 yr 3 mos

Turkish Aerospace Industries • Part-time

Remote

**Technologies:** AI (artificial intelligence) • Embedded Systems • Python • Computer Vision • Deep Learning

- Spearheaded the development of an **innovative system** for ship detection utilizing cutting-edge deep learning models such as **Faster R-CNN**, **YOLO**, and **R-CNN**. Achieved a **90% accuracy improvement** in ship detection from high-resolution multispectral satellite images sourced from **Sentinel-2** and **Landsat-8** satellites.
- Secured **prestigious support** from the renowned **TUBITAK 2209-B "Students Research Projects for Industry"** program, underscoring its potential impact. Executed under the esteemed **LIFT UP program** at TUSAS, validating its significance in advancing remote sensing capabilities.
- Earned the **coveted first place accolade** in the fiercely competitive **Computer Engineering category** of the **TUSAS LIFT UP program** competition. Demonstrated unparalleled innovation and technical prowess, implementing and fine-tuning on the state-of-the-art **Xilinx Kria KV260** embedded system platform for **real-time ship detection**, positioning the project at the forefront of technological advancement in remote sensing and embedded systems.

## Researcher

Feb 2022 – Dec 2023 • 1 yr 10 mos

IMAGE PROCESSING AND COMPUTER VISION RESEARCH LAB. (IPCV) • Part-time

Kocaeli, Turkey

**Technologies:** AI (artificial intelligence) • Python • Computer Vision • Embedded Systems • Linux

- Implemented cutting-edge **feature extraction methods** including Probabilistic Hough Transform and Convolutional Neural Networks (CNN) for **lane tracking** in autonomous vehicles, achieving a **30% improvement** in **lane detection accuracy**.
- Led projects leveraging Nvidia Jetson Nano in **image processing**, **machine learning**, and **deep learning**, resulting in a **25% reduction** in **processing time** for **video analytics** applications.
- Explored **unsupervised anomaly detection** methods for **sensor data**, developing algorithms that enhanced **real-time anomaly detection accuracy by 20%**, ensuring robust performance in critical sensor streams.

## Projects

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### Data Scraping From Real Estate Site

Jan 2022 – Feb 2022 • 1 mo

**Technologies:** Python • Pandas • BeautifulSoup4 • NumPy • Streamlit

- Developed a **tool** to **extract information** from **house sale advertisements** on a **popular real estate website**. The project utilizes **web scraping** techniques to gather data and generates a downloadable **CSV file** for analysis. Built with **Python**, the application employs libraries such as **Pandas**, **BeautifulSoup4**, **Numpy**, and **Requests** for data processing and web interaction. The **user interface** is powered by **Streamlit**, providing a seamless experience for **data exploration**.

### Sentiment Analysis & Automation

Sep 2021 – Jan 2022 • 4 mos

**Technologies:** Python • Pandas • Selenium • Nltk • NLP (Natural Language Processing)

- This project **automates** the **analysis** of restaurant reviews on **Yemeksepeti**, a prominent online food ordering platform. By leveraging **Python**, **pandas**, **selenium**, **textblob**, and other technologies, it retrieves and evaluates customer feedback to provide **insights** swiftly and efficiently. The stream-lined interface powered by **Streamlit** ensures an intuitive **user experience** for exploring **sentiment analysis results**.

### Scraping Data And Storing NOSQL Database

Aug 2021 – Sep 2021 • 1 mo

**Technologies:** Python • Scrapy • MongoDB • Database • Web Scraping

- Developed a **data scraping tool** using **Python's Scrapy library** to extract comprehensive information from the '**Best Selling Books**' category on **Kitapyurdu.com**. The tool addressed the need for **efficient and automated data collection**, storing the results in **MongoDB** for **scalable analysis** and insights. This initiative aimed to streamline **market research** efforts, catering to book enthusiasts and researchers seeking real-time trends in the Turkish literature market.

### Sudoku Solver With Backtracking Algorithm.

Jul 2021 – Aug 2021 • 1 mo

**Technologies:** Python • Algorithm • NumPy • Pygame • Matplotlib

- **Samurai Sudoku Solver** is a specialized software developed to tackle complex Samurai Sudoku puzzles, which consist of five interlocking Sudoku grids. Designed with a **Backtracking Algorithm**, it provides a solution for enthusiasts looking to solve these intricate puzzles efficiently. This project was created to streamline the solving process and enhance user experience in tackling challenging Sudoku variants.

### Travelling Salesman Problem Web Application

Jun 2021 – Jul 2021 • 1 mo

**Technologies:** JavaScript • HTML/CSS • jQuery • Bootstrap • Electron

- Traveling salesman problem implementation using MST algorithm.

### Music App

May 2021 – Jun 2021 • 1 mo

**Technologies:** C# • MySQL • Database • Relational Database

- Desktop application made using **C#** and **MySQL**

### Banknote Automation for Car Washing Shop

Apr 2021 – May 2021 • 1 mo

**Technologies:** Arduino Uno • C++ • Arduino IDE

- Developed banknote automation for an automatic car wash by using the **Arduino Uno R3** card and the Proteus environment.

## Education

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### Bachelor's degree: Computer Engineering

Sep 2019 – Jun 2024 • 4 yrs 9 mos

Kocaeli University

Turkey

Grade/GPA: 3.30

- Contributed to the electronics and software teams as a member of the finalist team at **Teknofest 2022** and **Teknofest 2023**. Played a key role in developing innovative projects and representing the team successfully in the competitions.

## Certifications & Awards

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RPA Developer Foundation - UiPath	Mar 2023
RPA Business Analyst Foundation - UiPath	May 2023
English Language Certification - British Side	Aug 2023
Power Platform Fundamentals - Microsoft	Nov 2023
Power Automate: Automation - Online Workshop - Microsoft	May 2023
RPA Implementation Methodology Fundamentals - UiPath	Mar 2023
Data Analysis - Patika.dev	Jan 2022
Artificial Intelligence Camp - Big Data Turkey	Oct 2021
Azure AI Fundamentals: Artificial Intelligence & Machine Learning - Skillsoft	Jul 2023
Chatbot & AI Services Developer - Skillsoft	Jul 2023
Exploratory Data Analysis with Seaborn - Coursera	Apr 2023
Software Testing Engineering - Kuveyt Turk Participation Bank	Dec 2020
TUSAS, LIFTUP ,COMPUTER ENGINEERING FIRST PLACE AWARD - TUSAS	Aug 2023

## Languages

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**Turkish** (Native or bilingual proficiency)

**English** (Full professional proficiency)

**German** (Elementary proficiency)