



Rodan Demirali

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OBJECTIVE

Software Engineer

SUMMARY

Design, Develop, Maintain, Test/Debug – Javascript, C#, Java, Android applications.

WORK EXPERIENCE

Freelance 04/2024-12/2024 Istanbul/Turkey

- Software Engineer
- Sentiment Analysis for Teknofest Competition
Analysis of Live daily newspaper RSS feeds of Headlines for Positive/Negative Classification with OpenAI Web API.
VS.NET 2022 C#, HTML, CSS, JavaScript, Python
<https://backendexpress.com/GuncelHaberler.aspx>

Freelance 01/2024-03/2024 Istanbul/Turkey

- Software Engineer
- Android Crossword Puzzle (Turkish) Solver Application for Mobile Phones.
<https://backendexpress.com/AndroidApps/KareBulmacaCozucu.aspx>
(Check out the web version at <https://backendexpress.com/BulmacaCoz.aspx>)
- Given the length of the word and few key search words (if there are any), the list of candidate words will be listed.

Freelance 09/2023-12/2023 Istanbul/Turkey

- Software Engineer
- ShoppingCart application.
Searching products with keywords/wildcards, Adding/Removing Shopping Cart items, Updating Total Amount.
Displaying items by 5X5 paging.
Created "Favorite Items" shopping list for later use.
VS.NET 2019 C#, HTML, CSS, JavaScript, MS-Access, Linq
<https://backendexpress.com/Cart.aspx>

Freelance 04/2023-06/2023 Istanbul/Turkey

- Software Engineer
- Time Management/ToDoList.
Record/Display/Remind Calendar User Events. Stored in the Access database using C#.
Implemented User Entry and Registration system. (including Username and Password e-mail verification)
VS.NET 2019 C#, HTML, CSS, JavaScript, MS-Access
<https://backendexpress.com/TakvimX.aspx>

Freelance 12/2022-03/2023 Istanbul/Turkey

- Software Engineer
- Solve any Turkish Newspaper Puzzle.
Search for a Word for a certain length. Few keywords from the definition can be entered as space separated.
VS.NET 2019 C#, HTML, CSS, JavaScript
<https://backendexpress.com/BulmacaCoz.aspx>

Freelance 08/2022-10/2022 Istanbul/Turkey

- Software Engineer
- Word Finder.
Randomly generate Matrix of letters.
Finds 4,5,6,7,8,9 letter Dictionary words that exists in the provided Turkish Dictionary.
In the Matrix, adjacent letters are sought at the left/right/up/down/cross cells, and used only once as a rule.
VS.NET 2019 C#
<https://backendexpress.com/KelimeBulmaca.aspx>

Freelance 10/2021-01/2023 Istanbul/Turkey

- Software Engineer
- License Plate Detection/OCR Recognition (Cars, Motorcycles, etc.).
Attended Tubitak 2204A Contest in January 2023, in the AI, Robotics, Software Development Category, with the title:
"Recognizing the Plates and Models of Vehicles with Artificial Intelligence".
Software used: Python, Computer Vision, Yolov3, Darknet53, Labelimg, GoogleColab, PyCharm, VS.NET 2019.
Demo Links:
<https://backendexpress.com/SabitAraclar.aspx>
<https://backendexpress.com/HareketliAraclar.aspx>

EDUCATION

- **High School Diploma/Mathematics** **Besiktas Anatolian High School** **09/2021-In Progress(06/2025)** **Istanbul/Turkey**
 - Areas Interested: Math, Computer Science/Software Development.
 - Currently, a third year High School Student. (Passed English Proficiency Test/Skipped Preparatory Year)
- **MiddleSchool Diploma** **Gazi Mustafa Kemal MiddleSchool** **09/2017- 06/2021)** **Istanbul/Turkey**
 - Math, Algorithms, Software Development.

OTHER

- Developing personal/educational <https://backendexpress.com> web site. VS.NET C#, HTML, CSS, JavaScript, XML, MS-Access, Linq, Regular Expressions, JQuery.
- Writing test SQL Queries with SQL Server 12 on Pubs, Northwind, AdventureWorks and Kaggle sample Databases & Transact SQL. (Use of ---Select, Inner/Left/Right Join, Insert Into, Sum, AVG, Count, With, Delete, Update, Exists, In, Having, Group By, Order By, Partition By --- statements.)
- Practicing LeetCode Challenges.
- Enjoying developing algorithms & data structures with Java using Eclipse & NetBeans.
- Learning from YouTube & UDEMY Html, CSS, Javascript, C#, Java courses & Github source code.
- Solving Logical Reasoning (TR: Sözel mantık) Questions occasionally

INTERESTS

- Table tennis, basketball, soccer, bicycling, badminton, jumping rope, Netflix Movies/Music, playing classic guitar, occasionally reading New York Times columnists(Thomas Friedman, Paul Krugman) & TIME Magazine, ChatGPT, SAT & TOEFL: Vocabulary and Paragraph Studies.

PASTIME SAMPLES

- Developed "Snake" Game. <https://backendexpress.com/SnakeGame.aspx> . (solely with)Javascript. (2024)
- Turkish Natural Language Processing Project. Processing random Sentences for gerundials (Noun, Verb, Adjective). Detailed explanations are given and managed via a friendly User Interface.
<https://backendexpress.com/DDI.aspx> . Visual Studio 2022 C#, HTML, Javascript (2024)
- Developed Social Responsibility Project for Students assisting their course (German Language, Geography, English, Literature) contents. <https://backendexpress.com/DersUygulamalari.aspx> . C#, Javascript, CSS (2024)
- (Chess) Knight Walker JS. <https://www.backendexpress.com/AtDolastirJS.aspx> . (solely with)Javascript. (2024)
- Daily Exchange Rates application of Central Bank data. <https://www.backendexpress.com/DovizKurlari.aspx> . XML, C#, Javascript, CSS. (2023)
- IQTest App. Dice/Cube/Folding/Unfolding. <https://backendexpress.com/SekilYetenegi.aspx> . C#, Javascript, HTML, CSS. (2023)
- Periodic Table. <https://backendexpress.com/PeriyodikTablo.aspx> . Javascript , CSS, HTML, C#. (2023)
- Stopwatch. Set/Clear/Pause Hour/Minute/Second. <https://backendexpress.com/JStests/StopWatch.aspx> . Javascript , CSS, HTML (2023)
- Jigsaw Puzzle. <https://backendexpress.com/Puzzle.aspx> . C#. (2023)
- Word-Find Game. Drag&Drop by sliding letters. Mobile compatible. <https://backendexpress.com/JStests/HarfSiralama.aspx> . Javascript. (2023)
- (Chess) Knight Walker. <https://www.backendexpress.com/AtDolastir.aspx> . C# (2023)
- BayrakEslestirme. <https://backendexpress.com/BayrakEslestirme.aspx> . Javascript. (2024)
- Calendar for any year. <https://www.backendexpress.com/YilTakvim.aspx> . C#, Javascript. (2022)
- Dice Roll app. <https://www.backendexpress.com/DiceRoll.aspx> . C#. (2022)
- Hangman. C#. <https://backendexpress.com/AdamAsmaca.aspx> (2022)
- Password Generator. <https://www.backendexpress.com/SifreUretici.aspx> . C#. (2022)
- Max-Min Number. <https://backendexpress.com/EnBuyukEnKucuk.aspx> . C#. (2022)
- Sudoku Creator/Solver. <https://www.backendexpress.com/SudokuUretici.aspx> . C#. (2022)
- FlagFind. <https://backendexpress.com/BayrakBul.aspx> . Javascript. (2022)
- Turkish-English Dictionary System. <https://backendexpress.com/OnlineSozluk.aspx> . Javascript, Ajax, C#. (2022)
- Taş-Kağıt-Makas. <https://www.backendexpress.com/TasKagitMakas.aspx> . Javascript. (2022)
- Heads or Tails. <https://backendexpress.com/YaziTura.aspx> . Javascript. (2022)
- Tic-Tac-Toe. <https://backendexpress.com/TicTacToe.aspx> . C#. (2022)
- Stickman Walking. <https://backendexpress.com/JSstickman.aspx> . Javascript , C#. (2022)
- Paragraph/Text Analysis. <https://www.backendexpress.com/ParagrafAnaliz.aspx> . C#, Javascript. (2021)
- Prime Numbers Table. <https://www.backendexpress.com/AsalSayilarTablosu.aspx> . C#. (2021)
- Count Letter Frequency. <https://www.backendexpress.com/HarfSayma.aspx> . C#, Javascript, HTML, CSS. (2021)
- The Longest Repeating String. (Randomly Generated). <https://backendexpress.com/EnUzunTekrar.aspx> . C#. (2021)
- Convert Number to Text. <https://www.backendexpress.com/SayiYaziCevir.aspx> . C#. (2021)
- For all 100+, visit ... <https://backendexpress.com/Uygulamalar.aspx>
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