Rodan Demirali
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OBJECTIVE
Software Engineer

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

WORK EXPERIENCE

Turkcell Online Artificial Intelligence Hackathon   04/2025-05/2025   Istanbul/Turkey
- Creating an AI-based solution to a given problem.

Freelance   02/2025-Present   Istanbul/Turkey
- Software Engineer
- Turkish Stock Exchange Application.
  Retrieve/Display/Search/Sort instant data from the Stock Market.
  VS.NET 2022 C#, HTML, CSS, JavaScript

Freelance   01/2025-02/2025   Istanbul/Turkey
- Software Engineer
- Merge Simulator
  A block-merging game (similar to that of Roblox platform).
  The objective is to merge blocks together to accumulate cash. As you merge blocks, you will earn money that can be used to purchase upgrades, which will enhance the speed of your merging process.
  VS.NET 2022 C#, HTML, CSS, JavaScript
  https://backendexpress.com/MergeSimulator.aspx

Freelance   04/2024-01/2025   Istanbul/Turkey
- Software Engineer
- Sentiment Analysis for Teknofest Competition
  Storing and parsing Live daily newspaper RSS feeds. Used Headlines+Description for Positive/Negative Classification with GrokAI WebAPI. Wrote Search&Filter functionality. VS.NET 2019 C#, HTML, CSS, JavaScript, RSS/XML, MS-Access.
  https://backendexpress.com/HaberAnaliz.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
- **Bahcesehir University**   **Software Engineering**   **09/2025-06/2029**   **Istanbul/Turkey**
  o Areas Interested: Android/Java/Kotlin, UI Design, C#, HTML, JavaScript, CSS, Java, SQL Development
- **High School Diploma/Mathematics   Besiktas Anatolian High School   09/2021-In Progress(06/2025)   Istanbul/Turkey**
  o Areas Interested: Math, Computer Science/Software Development.
  o Currently, a third year High School Student. (Passed English Proficiecy Test/Skipped Preparatory Year)
- **MiddleSchool Diploma   Gazi Mustafa Kemal MiddleSchool   09/2017- 06/2021   Istanbul/Turkey**
  o Math, Algorithms, Software Development.
- **Turkcell Intelligence Power Marathon Program   02/2025-04/2025   Istanbul/Turkey**
  o Training will be received on the basics of data science, artificial intelligence and machine learning. Worked on data visualization using Python. Examined how algorithms work and implemented project solutions with sample data sets.

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 Databases & Transact SQL.
- 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
- MemoryDance. https://backendexpress.com/MemoryDance.aspx . Javascript. (2025)
- MergeSimulator. Merge blocks together to accumulate cash. (Roblox alike). https://backendexpress.com/MergeSimulator.aspx
  VS.NET 2022 C#, HTML, CSS, JavaScript(2025)

- 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 asisting 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)
- BayrakEslestirme. https://backendexpress.com/BayrakEslestirme.aspx . 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)

- 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
- Linkedin Account: https://www.linkedin.com/in/rodan-demirali/

AREAS INTERESED
- Linux Shell (Bash) Programming
- Develop FinTech (Stock Exchange) Application with C# (Web) + Android (Java/Kotlin)
- ChatGPT(OpenAI)/DeepSeek/Gemini(Google) --- WebAPI usage Examples / Prototyping