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EDUCATION

Apr 2025 – Present **UNIVERSITY OF STUTTGART – *MSc. in Computer Science***

Sep 2018 – July 2022 **SABANCI UNIVERSITY - *BSc. in Computer Science and Engineering, School of Natural Sciences***

Honors/Awards: Three terms Honor Certificate, %25 Scholarship

Course Highlights: Data Structures, Database Systems, Algorithms, Machine Learning, Natural Language Processing, Artificial Intelligence, Software Engineering

Sep 2013 – June 2018 **ODTU GVO - *High School with a Preparatory Class***

PROFESSIONAL EXPERIENCE

IT Manager at Soylu Metal (Ankara, Turkey) February 2024 – April 2025

- Created the “[Marasantiya Ceviz](#)” brand within Soylu Metal, focusing on premium walnut products.
- Developed and continue to maintain the e-commerce website for [Marasantiya Ceviz](#) using WordPress, ensuring a seamless and responsive shopping experience.
- Optimized the website for mobile compatibility and search engine performance while managing sales, stock management, ongoing content updates, site maintenance, and troubleshooting to ensure the platform remains secure, up-to-date, and enhances online visibility and customer engagement.

Lead Software Data Engineer at Jeton Digital July 2023 – January 2024 (Remote)

As a Lead Software Data Engineer at Jeton Digital, I am primarily responsible for the planning, designing the structure, modeling, development and maintenance of dynamic websites using Django Framework as well as designating and creating tasks for other colleagues in different projects while making sure every project is developing in the desired format and following the timeline projected. For example, the Influencer website serves as a platform for influencers to curate product collections from a sale website, where they can edit the collections. The website is designed to enable influencers to earn commissions when customers are referred to the sale site through their collections, motivating the influencer to promote the products and leading to successful orders. Working on this project has strengthened my Python development skills and deepened my understanding of web application architecture, data engineering, and database management, which are crucial components of my role in enhancing the influencer website.

Key Accomplishments and Responsibilities:

- Developed, and deployed the influencer website, accessible at influencemarkamama.com providing influencers with a user-friendly interface for creating and managing product collections.

- Implemented a commission system that calculates earnings for influencers based on customer referrals and orders generated through their collections, enhancing the financial aspect of the platform.
- Designed and integrated tasks and star product features within the website, allowing influencers to earn special commissions and incentives based on their performance and product choices.
- Created user roles, including brand users, who can create tasks and designate products as star products, contributing to the platform's versatility and customization.
- Utilized Django's framework features, including database management, authentication, and security measures, to maintain the integrity and reliability of the platform.
- Continuously monitored and analyzed website data, applying data engineering techniques to gain insights into user behavior and platform performance, leading to data-driven improvements.

Mandatory Military Service (Ankara, Turkey) April – May 2023

IT Consultant at Soylu Metal (Ankara, Turkey) October 2022 – April 2023

- Updated infrastructure and helped with the installation of new servers and systems.
- Transition and migration of current enterprise resources to up-to-date software.

Erasmus Internship at Jeton Digital (London, United Kingdom) July – September 2022

- Conducted data analysis and visualization for video interviews and the transcripts.
- Configured CI/CD structure, developed and deployed web apps in Azure environment.

SKILLS

Python, C++, C#, Java, PostgreSQL, MySQL, SQL, MongoDB, Django, React and React-Native, HTML, R, WordPress, Arduino, n8n, ODC (OutSystems)

LANGUAGES

Turkish (Native), English (Fluent), German (Basic)

PROJECTS- Events

OutSystems Event October 2025

- Participated in an OutSystems development event and achieved first place with a teammate, demonstrating strong problem-solving and collaboration skills.
- Completed official OutSystems tutorials and gained hands-on experience with no-code development platforms, becoming proficient in building and deploying applications efficiently.

n8n Workflows January – September 2025

- Designed and implemented automated workflows in n8n to streamline personal and project-related tasks, improving efficiency and reducing manual effort.
- Built Retrieval-Augmented Generation (RAG) systems and deployed local LLMs using Ollama, gaining practical experience in AI integration and edge model deployment.

Machine Learning Model for Bot User and Political Tweets Detection May – June 2022

- Developed machine learning models in Python to detect bot users and predict political tweets.
- Achieved an Accuracy Score of 0.83 for Bot Detection and 0.78 for Political Tweet Prediction.

Serious Game for Children with Cerebral Palsy September 2021 – June 2022

- Designed and implemented a Unity-based game for children with Cerebral Palsy.
- Integrated Bluetooth communication with a Wii-Balance Board for data collection.
- Utilized MongoDB and fast API for data analysis and reporting.

Switter, a Social Networking Application (Similar to Twitter) December 2021

- Developed a social networking application in C#.
- Implemented client and server modules and a graphical user interface (GUI).
- Managed message storage, user feeds, and follower relationships.

E-Commerce System June 2021

- Designed and developed an E-Commerce website with Django and React.
- Implemented user registration, sales management, and product listing features.

Mobile Application (Flutter) June 2021

- Developed a social media app like Twitter using Flutter and Dart.
- Implemented features like user search, photo sharing, liking, commenting, and more.

VOLUNTEER WORK

Civic Involvement Projects (CIP) September – June 2018

- Assisted immigrant Syrian children with schoolwork and adjustment.
- Organized activities for Turkish children to enhance their school experience.

REFERENCES

- Efe BUYUK
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