Süleyman Arif Karakılıç

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ABOUT ME

I graduated from Sakarya University, Department of Computer Engineering, in July 2024 with a GPA of 3.09 and I have experience in backend development using technologies such as JavaScript, TypeScript, C#, Node.js, Express.js, and .NET. My university projects and internships provided me with significant knowledge in RESTful and gRPC API design, containerization, database management, and server-side application optimization. I also developed JavaScript and .NET-based IDE extensions for VS Code and VS2022. I am passionate about creating efficient, scalable, and secure server solutions. My goal is to pursue a career as a backend and database developer in an innovative and technologically advanced company. I am a team player with strong analytical thinking skills and a commitment to continuous learning.

EDUCATION AND TRAINING

10/2020 – 07/2024 Sakarya
STUDENT SAKARYA UNIVERSITY

Website https://cs.sakarya.edu.tr/en | **Field of study** Computer Engineering | **Final grade** 3.09 | **Level in EQF** EQF level 3

08/2022 – 10/2022 Sakarya, Türkiye
FULLSTACK SOFTWARE DEVELOPER INTERN TRA INFORMATION TECHNOLOGIES

- Website development for Saü BlockChain Communityments and accommodations for executives and guests.
- The technologies I used in this project: .net Core 6.0 MVC, MSSQL and WebSocket

Website https://www.trabilisim.com/en/ | **Level in EQF** EQF level 3

WORK EXPERIENCE

CODETHREAT SAST – İSTANBUL, TÜRKIYE
Website https://codethreat.com

SOFTWARE DEVELOPMENT SPECIALIST – 05/2023 – 08/2024

CodeThreat Visual Studio Code Extension
• An extension for software developers to use within the VS Code IDE.
• Technologies: TypeScript, Node.js, VS Code core commands
CodeThreat Visual Studio 2022 Extension (Pre-release)
• An extension for software developers to use within the VS2022 IDE.
• Technologies: C#, .NET Core 6.0, XML, Visual Studio 2022 core commands
Fetch Repo Script Projects
• A containerized script supported by shell commands to fetch projects from GitHub, compress, upload, and run them automatically.
• Technologies: Python, GitHub API, Docker
Cypress End-to-End Tests
• Frontend automation tests created with Cypress.js to automatically run captured projects on the system.
• Technologies: JavaScript, Cypress, e2e, integration testing

BLACKKITE – BOSTON, UNITED STATES
Website https://blackkite.com

R&D RESEARCHER – 03/2022 – 05/2022

- GDPR data research and manual data analysis using Google Dork techniques.

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s): **ENGLISH**

PROJECTS

Opticense

- Opticense is a license compliance tool for open-source dependencies. The principle hidden in its name, "Optimal License," aims to bring license compliance in multiple languages with the best and fastest results. This project, still in development, aims to grow with open-source culture.
- Technologies: CLI development, Node.js, Jaccard Similarity Algorithm, Docker

Link https://github.com/Arifkarakilic/Opticense/releases

20/07/2025 – 25/07/2025

Camera Movement Detector

Camera Movement Detection – Real-time camera movement detection system with OpenCV & Streamlit

- An image processing application was developed that detects only the physical movements of the camera (shift, rotation, shaking), independent of object movements.
- Implemented ORB + Homography, Optical Flow, and Affine Transformation algorithms for both video/frame and real-time inputs.
- Built an SMTP-supported system to send email alerts during real-time camera movement.
- Developed a clean and maintainable architecture by splitting the project into modules like logic/, utils/, ui/, detectors/.
- Implemented testing infrastructure with pytest and made the project portable using Docker.
- Developed a user-friendly interface with Streamlit, supporting dynamic threshold adjustment and visual output.
- Technologies: Python, OpenCV, Streamlit, Docker, SMTP, Pytest

Link https://camera-movement-detector.streamlit.app

HCV-ML-MobilApp

- In this project, I used the Egyptian hepatitis C dataset to train an artificial intelligence model that provides a preliminary diagnostic recommendation based on a three-stage risk score for liver fibrosis.
- This project, which categorizes liver fibrosis levels from low to medium to high based on 15 blood values, is for experimental purposes only and is not yet ready for use in the medical literature.
- Technologies: React Native, Expo, Flask, RandomForestClassifier, Pandas, Numpy

SKILLS

Node.js | C# | .net | Python | Flask | TypeScript/JavaScript | MongoDB | Plsql | Plpgsql | Next.js | Vue.js | React.js | Git | Docker | Cypress(e2e)