



BARİŞ CAN ASLAN

COMPUTER ENGINEERING STUDENT

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I have experience in developing and deploying full-stack applications across domains such as smart systems, robotics, and web technologies. Skilled in using frameworks like ASP.NET, Spring Boot, and Docker, with a strong focus on system integration, remote access, and UI design. Also experienced in collaborating on cross-disciplinary teams to deliver scalable and self-hosted solutions.

EDUCATION

KADIR HAS UNIVERSITY - Istanbul, Turkey

B.Sc. in Computer Engineering

Expected Graduation: 2026 | GPA: 3.00

FIGEN SAKALLIOĞLU ANATOLIAN

HIGH SCHOOL - Sakarya, Turkey

Graduated: 2020

TECHNICAL SKILLS

Languages: C#, C++, Java, Python, JavaScript, HTML, CSS, SQL

Frameworks & Tools: ASP.NET Core, Spring Boot, React, Docker, Qt (QML), REST APIs

DevOps & OS: Debian-based systems, Cloudflare Tunnels, GitHub

Other: MySQL, MSSQL, JSON, Linux Shell, Wireshark

Soft Skills: Fast learner, team-oriented, analytical thinker, diligent and adaptable

CERTIFICATES

- Web Development with HTML5 - **BTK Akademi**
- Python - **Kaggle**
- React Basics - **Meta**
- Automate Cybersecurity Tasks with Python - **Google**

INTERESTS

- AI and Robotics
- DevOps Automation
- IoT Tech.
- Machine Learning

WORK EXPERIENCE

Guess Europe SAGL

IT Intern | Part Time - (August 2025 - Present)

- Management of all IT processes, from software development with ASP.NET to hardware control, HelpDesk service

Kadir Has University

Teaching Assistant - (September 2025 - Present)

CMPE351 - Computer Networks Course

INTERNSHIP EXPERIENCE

İÇDAŞ Çelik Enerji Ulaştırma A.Ş.

IT Intern - Summer 2024

- Gained hands-on experience in enterprise networking, server management, and system automation
- Acquired ASP.NET technology and its usage areas

BTC Bilişim Hizmetleri A.Ş.

Software Development Intern - Summer 2025

- ASP.NET Web API services and developing Angular-based web applications as part of the software development team.

PROJECT EXPERIENCE

Unmanned Ground Vehicle (İKA) | Teknofest (Htt Dronos Team) - Qt (QML) + Pointcloud + OpenCV

Interface Developer / Qt Designer - (2024 - 2025)

- Designing user interface for the UGV using the Qt framework (QML), including vehicle parameters and camera snapshots
- Developing a 3D environment view within the interface using PointCloud and ROS technologies
- Utilizing image processing techniques with OpenCV

RovALP | Unmanned Ground Vehicle (İKA) - ROS2 - React (Next.js) - FastAPI

Software Developer - (2025 - Present)

- Developing a real-time web-based ground control station for the UGV using React (Next.js) and FastAPI
- Integrating ROS2 nodes and WebSocket bridges to stream live telemetry, sensor data, and camera feeds to the web interface
- Implementing bidirectional communication between the UGV and operator for command, control, and feedback loops
- Designing modular UI components for vehicle diagnostics, path tracking, and sensor visualization
- Managing backend REST and WebSocket endpoints to interface with ROS2 topics, services, and parameters

Restaurant Reservation System Project - Spring Boot + React + MySQL

Project Link: <https://github.com/bariscanaslan/CMPE356-Restaurant-Reservation-System>

- Implemented user authentication using JWT and role-based access
- Built a dashboard for restaurant owners to manage tables, reservations, and API keys
- Embedded reservation widgets into external websites using secure iframe + token mechanism

Employee Tracking System Project - ASP.NET MVC + HTML, CSS, Bootstrap + MSSQL

Project Link: <https://github.com/bariscanaslan/Employee-Tracking-System-Project>

- Developed a web-based personnel management system with role-based access control
- Designed responsive front-end using Bootstrap for mobile-friendly UI
- Implemented CRUD operations for employee data, departments, and tasks

Self-Hosted Home Server Project - Debian + Docker + Cloudflare

Private Infrastructure for Hosting, Personal Cloud, and IoT Control

- Built a Debian-based headless home server system utilizing Docker containers for modular service deployment
- Integrated CasaOS as the internal dashboard for managing applications and system monitoring
- Configured Cloudflare Tunnels to securely expose internal services (e.g., web apps, personal cloud, dashboards) to the internet without opening ports
- Used self-hosted tools for file storage, personal calendaring, and RSS feed management with a focus on data privacy
- Enabled remote monitoring and control of IoT devices via isolated networks, promoting both functionality and security