Sinan Şamil Köylü

Gesi Mahallesi Necip Fazıl 1. Sokak E Blok 63/1 Melikgazi/Kayseri 38030.
+90 553 886 1486 koylusinansamil@gmail.com Sinan Şamil Köylü sinansamiil

Education

Aksaray University **09/2024 – Present**
Bachelor of Science in Software Engineering, Faculty of Engineering – 3.17 *Aksaray, Turkey.*

Istanbul University **09/2025 – Present**
Bachelor of Science in Management Information Systems, Faculty of Open and Distance Education – *Istanbul, Turkey.*

Work Experience

BS Reklam **01/06/2020 – 01/06/2025**
Graphic Design and Sales Marketing *Kayseri, Turkey.*

- Taking a proactive role in the design and production cycle (design, pre-press preparation, and quality control), I consistently optimized processes to ensure fast, error-free, and high-quality outputs. I demonstrated ownership by actively engaging in technical tasks such as color management, print calibration, and file preparation, delivering high-quality graphic design and print solutions that exceeded customer expectations. Furthermore, I enhanced team effectiveness by establishing clear and productive communication with colleagues on workflow and standards, and critically, I played a key role in achieving sales targets by communicating effectively with clients to provide them with the most suitable marketing and design solutions for their needs.

KGK Mühendislik **01/06/2025 – 01/08/2025**
Intern Software Engineer *Kayseri, Turkey.*

- Taking a proactive role in the software development lifecycle, focusing on writing clean, efficient, and well-documented code. Demonstrating ownership by actively participating in technical tasks (e.g., debugging, feature implementation) and delivering high-quality code contributions. Enhancing team effectiveness by establishing clear and productive communication with colleagues on code reviews and project architecture.

Asena UAV Team (Unmanned Aerial Vehicle Team) **01/10/2025 – Present**
Software Engineer *Turkey*

- Currently, I maintain a proactive role in the ongoing UAV software development lifecycle (embedded systems and flight control), focusing on delivering reliable, highly optimized, and safety-critical software that enhances system performance and mission assurance. I demonstrate project ownership by actively participating in core technical tasks (e.g., real-time debugging, sensor integration, and critical flight mode implementations) and consistently providing high-quality code contributions that directly impact the UAV's operational success. To continually boost team effectiveness, I maintain clear and results-driven communication standards with colleagues during code reviews and technical discussions concerning system architecture and safety protocols.

Gürman İnovasyon **20/10/2025 – Present**
Software Engineer *Aksaray, Turkey.*

- As a software engineer at Gürman İnovasyon, I am actively engaged in the full development lifecycle of electric vehicle systems. My primary focus is on engineering robust, high-performance, and safety-critical code for key applications, such as vehicle control units, battery management systems (BMS), and driver interface software. I take ownership of complex technical challenges, including system optimization, real-time diagnostics, and the integration of advanced sensor data. Through the consistent delivery of high-quality, efficient code, I contribute directly to enhancing vehicle reliability and overall performance. I also foster a collaborative environment by engaging in rigorous code reviews and architectural discussions, ensuring the team maintains high standards for software safety and design.

Sanayi ve Teknoloji Topluluğu **20/10/2025 – Present**
Board Member *Aksaray, Turkey.*

- As a Board Member for the Industry and Technology Community, I actively drive strategic initiatives within the organization and marketing domains. My primary focus is on conceptualizing and executing high-impact programs, such as technical summits, industry-university collaboration panels, and academic workshops, that align with the goals of Aksaray University and the Ministry of Industry and Technology. I take ownership of the full event lifecycle, from initial planning and stakeholder outreach to managing digital marketing campaigns and post-event analysis. Through the consistent development of effective engagement strategies, I contribute directly to expanding the community's reach, visibility, and professional network. I also foster a highly collaborative environment by coordinating with fellow board members, faculty advisors, and industry partners to ensure all organizational objectives are met successfully.

Technical Skills

Key Skills: Software Engineering, CSharp, HTML, CSS, Javascript, Python, MySQL, MsSQL, OOP
Technologies/Frameworks: Visual Studio Code, Visual Studio, Git.
Further Skill: Turkish (Native), English (Intermediate B2).

Projects

Web Application – Smart Home Systems Licensing and Management System

In this project, we developed a dynamic web-based administration panel using HTML, CSS, JavaScript, and SQL technologies.

The project's goal is to track the license expiration dates of products purchased by customers, such as fire detection devices and license plate recognition systems, and to manage these systems remotely. This project utilized Gemini, ChatGPT, and DeepSeek artificial intelligence tools for content analysis and user friendliness.

Key Features:

- License Tracking and Management: Dynamic web-panel-based monitoring and management of license expiration dates for customer-purchased products, such as fire detection and license plate recognition systems.
- Remote System Control: Centralized management capabilities enabling remote control and configuration of Smart Home systems (e.g., fire detection, license plate recognition) via the web interface.
- User-Friendly Administration Panel: Development of an intuitive and efficient web-based administration panel using HTML, CSS, JavaScript, and SQL technologies.
- AI-Enhanced User Experience: Utilization of Artificial Intelligence tools including Gemini, ChatGPT, and DeepSeek for content analysis and improving overall user-friendliness.
- SQL Database Integration: Reliable and efficient storage and querying of licensing and customer data using SQL technology.

Windows Forms Application – MQTT File Sender

This project designed a system that enables message transmission via MQTT using C, MySQL, MQTT (Mosquitto), and JSON technologies.

The primary goal of the application is to convert content entered after subscribing to a specific topic into JSON format and send it as messages via MQTT. This allows target devices to receive and process these messages.

This project also utilized the AI tools Gemini, ChatGPT, and DeepSeek to provide content analysis and user convenience.

Key Features:

- MQTT Message Transmission: Implementation of a robust communication system designed to facilitate message sending via the MQTT (Mosquitto) broker.
- JSON Format Conversion: Application functionality to convert content input by a user (after subscribing to a specific topic) into JSON format for reliable processing by target devices.
- Desktop Application Interface: C and Windows Forms development for a dedicated desktop application interface to manage message input and MQTT communication.
- MySQL Data Persistence: Integration of MySQL for persistent storage of sent message logs or application configuration settings.
- AI-Assisted Convenience: Leveraging Gemini, ChatGPT, and DeepSeek AI tools to provide content analysis and enhance user convenience within the application.