

MUHAMMED KÖROĞLU

Software Developer (.NET, C#) | Cyber Security, System & Network Focused

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PROFESSIONAL SUMMARY

Software Developer with hands-on experience in C#, .NET, and application development. Background in system support, network troubleshooting, and Windows/Linux environments. Strong interest in cybersecurity, malware analysis, system-level tooling, and network monitoring. Built practical projects including a static malware analysis tool, a safe Linux system updater, and a network traffic logger using SQLite and Dapper.

TECHNICAL SKILLS

- Programming: C#, C++, Python
- Frameworks: .NET Framework, .NET MAUI
- Databases: SQL Server, SQLite
- Concepts: Object-Oriented Programming (OOP), System Programming, Network Monitoring
- Tools: Visual Studio, VS Code, VMware, VirtualBox, Postman, FTK Imager, Dapper
- Operating Systems: Windows, Linux

PROFESSIONAL EXPERIENCE

Rensa Enerji Bilişim A.Ş. – Ankara

Software Developer / IT Specialist | Jan 2019 – Jul 2024

- Developed and maintained C#/.NET applications to support business operations
- Resolved hardware and software issues in Windows environments, improving system reliability
- Managed and monitored centralized systems and billing processes
- Diagnosed and resolved network and system issues, enhancing system stability

Fixgross Market – IT Department

IT Support Specialist | Apr 2025 – Sep 2025

- Provided IT support for internal systems and users
- Assisted with system maintenance and troubleshooting

Gaziantep University – Part-time IT Support

IT Support Assistant | Feb 2017 – Jun 2017

- Supported computer labs and campus systems
- Assisted in managing network traffic and system maintenance

PROJECTS

Network Traffic Logger (C#, SQLite, Dapper)

- Developed a network monitoring tool that captures active TCP/UDP connection metadata in real time
- Stored structured traffic data in SQLite using Dapper
- Logged IP addresses, ports, protocols, connection states, and supported both IPv4 and IPv6 environments
- Designed the project with separate Models, Data, and Services layers for cleaner architecture

GETHash256 – Static Malware Analysis Tool (C#)

- Developed a C#-based static analysis tool using SHA-256 hashing, strings extraction, and heuristic scanning
- Implemented modular analyzer architecture using OOP principles
- Used .NET cryptography libraries, LINQ, and JSON-based reporting
- Generated structured JSON analysis reports for investigation workflows

ParrotOS Safe System Updater (C# & Bash)

- Developed a secure system update utility for Linux (ParrotOS/Debian-based systems)
- Implemented root checks, filesystem validation, and package manager lock detection

- Automated update workflow using apt, dpkg, and snap with timeout and error handling
- Built logging system for tracking updates and diagnosing failures

EDUCATION

- Anadolu University – Management Information Systems
- Gaziantep University – Computer Programming

CERTIFICATIONS

- Cyber Security Training – Turkish Aeronautical Association
- Digital Forensics Training – Turkish Aeronautical Association
- Penetration Testing Introduction – BTK Academy
- Network Fundamentals – BTK Academy
- Windows Security – BTK Academy
- Malware Analysis – BTK Academy
- Python Programming – Bilgeiş (METU)
- Secure Software Development – BTK Academy