

ONUR MERT ANARAT

Software Engineer

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Portfolio: onurmertanarat.github.io

SUMMARY

Experienced developer with a background in software development and systems engineering. Developed scalable RESTful APIs using technologies such as C++, C#, Python, Django, ASP.NET Core, and Node.js. My expertise also includes Linux system administration, Docker, microservices, CI/CD, and DevOps practices. My goal is to create high-performance and sustainable solutions with modern software architectures.

SKILLS

- **Programming Languages:** C#, Python, JavaScript, SQL, C++
- **Web Development:** ASP.NET Core, Django, Node.js, React
- **Database Management:** MSSQL, PostgreSQL, MySQL
- **DevOps & Cloud Technologies:** AWS, Docker, Git, Linux
- **Software Architectures:** Microservices, Clean Architecture, RESTful API Design

EXPERIENCE

Freelance – Software Engineer

(Remote, Nov 2023 – Present)

- Developed a Discord bot using Python to increase player engagement for a Silkroad Online community.
- Converted the bot into a web application with ASP.NET Core and React, achieving over 80% accuracy using historical data prediction algorithms.
- Created a real-time industrial security system with Python (OpenCV) that processes live camera feeds and automatically locks doors upon detecting motion.
- Designed and developed various personal and corporate portfolio web applications.

Arttek System Integration – Systems Engineer

(Istanbul, Sep 2022 – Oct 2023)

- Developed backend and frontend solutions for the 2023 Turkish Presidential Elections for CNN Türk.
- Installed and configured Linux-based GPU servers for Boğaziçi University.
- Performed EVS installation and integration on Linux systems for TRT.

Sezinsoft Information Technologies – Backend Developer

(Istanbul, May 2022 – Sep 2022)

- Refactored and optimized an ASP.NET Core-based vehicle routing system.
- Designed and developed a barcode scanning application using C#.

Dipomed Medikal – Mechatronics Engineer

(Istanbul, Jun 2021 – May 2022)

- Programmed medical device processors using Python and C++.
- Performed assembly, maintenance, and repair of medical devices.

EDUCATION

Karabük University – B.S. in Mechatronics Engineering

Graduation: September 2019, GPA: 2.87

Capstone Project: Real-Time Color Detection and Object Tracking using C# and Arduino

- Developed a vision-based robotic tracking system using the AForge.NET library and serial communication protocols.

COURSES & CERTIFICATIONS

- Docker – PyCon (Instructor: Jérôme Petazzoni)
- ASP.NET Core – SoftBreak (Instructor: Çağrı Yolyapar)
- Python – Academy Club (Instructor: Atıl Samancıoğlu)
- Node.js, SQL, JavaScript, C# .NET – Patika.dev

LANGUAGES

- **English:** B2 – Upper-Intermediate (reading, speaking, technical writing)
- **German:** A1 – Elementary

INTERESTS

- **Embedded Systems:** Designing and coding microcontroller-based systems.
- **Artificial Intelligence:** Following the latest developments in neural networks and AI.
- **Science and Research:** Reading articles on cosmology and quantum physics.