

Umut Sevdi *Software Engineer*

☎ +90 535 867 70 08

✉ mail@umutsevdi.com

in linkedin.com/in/umut-sevdi

🐙 github.com/umutsevdi

🖱 umutsevdi.com



Education

Yildiz Technical University, Computer Engineering 
GPA - 3.14

Sep 2019 – Jan 2024

Technical Skills

Java

Three years of professional and four years of overall experience. Worked in large-scale applications. Proficient in frameworks such as Spring Boot and Vaadin.

Linux

Four years of experience on desktop and server platforms, including deployment and management to cloud providers. Maintaining a home server for over a year.

Docker

Experience with the deployment and management of containers.

Bash

Developed automation programs for desktop and server environments.

C

Four years of experience focused on CLI tools and embedded systems. Knowledgeable in POSIX libraries and build-systems, familiar with third-party libraries such as PicoSDK, GLib and OpenSSL.

Go

Two years of experience in building web services and CLI tools for the personal use. Familiar with the standard library and third-party libraries such as Echo.


C++

Familiar with core C++ concepts and libraries. Developed embedded applications and have basic knowledge of ROS.

Core Competencies

- Object Oriented Programming
- Unit Testing
- Git
- Back-end Development
- Agile Software Development
- SQL Databases
- Message Brokers (RabbitMQ)
- Socket Programming
- Algorithms and Data Structures

Professional Experience

Yapı Kredi Teknoloji, Software Engineer 

Mar 2022 – present

Worked in two agile teams over the last two years both on money transfers.

FAST and EFT Money Transfers Team *Jul 2023 - present*

- Improved batch performance through concurrency and rewriting.
- Maintained critical microservices and continuously added new features.
- Developed and deployed customer-facing services for payment systems.
- Migrated legacy repositories to Java 17, enhancing code quality.

CashFlow Team *Mar 2022 - Jul 2023*

- Restructured data reporting queues and their consumers for multi-threading and dynamic scaling, mitigating race conditions.
- Developed microservices for payment process control and monitoring.
- Enhanced performance of multiple services within the High-Frequency project at FAST.
- Designed and implemented the backend for online payment service integration for enterprise use.
- Developed microservice modules to capture and report errors, detecting online and sync issues.

egaranti, Back-end Developer - Part Time 

Jul 2021 – Jan 2022

- Built the backend service for small businesses and individuals from the ground up.
- Designed the external integration API.

Certifications

Java Backend Developer Certificate [↗](#)

Jetbrains Academy

Spring Security for Java Backend Developers [↗](#)

Jetbrains Academy

Google DSC Lead Certificate of Completion [↗](#)

2021 - 2022 Google Developer Students Club Lead,
Certificate of Completion, Credential ID: GDSC2022-
1pn26ybw4b9x0r7eohn8

SQL Fundamentals Certificate [↗](#)

Jetbrains Academy

Go Intermediate Certificate [↗](#)

Hackerrank

Projects

WearPico [↗](#)

- An open-source Smartwatch firmware written in C for the Raspberry Pi Pico with an Android Application.
- The smartwatch is built on Raspberry Pi Pico without relying on an operating system.
- In addition to essential clock functions such as time, alarm, and stopwatch, the WearPico includes health monitoring, receiving notifications, handling calls, and controlling the media player on the phone.

Brauzer [↗](#)

- A web browser from scratch in C programming language for Linux that implements various web protocols such as HTTP, HTTPS, Gopher and Gemini.

Eye Tracking Robot [↗](#)

- A two-wheeled device that tracks eye movements and moves accordingly, written in C and Python using OpenCV.
- Runs on multiple threads to move continuously while listening to connections. Uses UDP for IPC.

Service Discovery and Load Balancing Service [↗](#)

- A service registry and load balancing system that relies on UDP broadcasting to discover available microservices instead of storing them in a database.

Logic Circuit Simulator [↗](#)

- A free, open-source, cross-platform Logic Circuit Simulator that can calculate the results of circuit boards that includes all basic logic gates, clocks and basic input-output and allows users to save and load circuits and create reusable templates.

Organizations

Google Developer Students Club, Lead [↗](#)

Jul 2021 – Jun 2022

- Led the Google Developer Students Club of Yildiz Technical University, organizing and managing events to promote Google Technologies.

SKY LAB, Research and Development Manager [↗](#)

Jul 2020 – Jun 2022

- Managed the research and development of the largest computer science club at Yildiz Technical University.
- Supervised seven research and development teams of the club and their respective projects.
- Throughout the management term, delivered six courses.

Languages

Turkish

Native/ full working proficiency

English

Native/ full working proficiency, 96/100 Proficiency
Exam, 87/100 Erasmus Exam