

FERHAT TÜFEKÇİ

Computer Engineer | Expert Business Analyst | Agile Software Development & Testing Specialist | Driving Quality & Efficiency in Projects

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[Türkçe Özgeçmişim \(My Resume in Turkish Language\)](#)

Military Service: Completed

Personal Security Clearance: Valid until 12.04.2026

Languages: Turkish (Native) | English (Graduated from Ankara University, which provides education in 100% English)

SUMMARY

The opportunity to solve a common problem experienced by everyone with a computer in your room shaped my education and business life. I have completed my high school, associate, and undergraduate education in computer science programs with outstanding grades. Since my high school education (2011), I have gained experience by working in different roles such as software engineer, system engineer (business analyst), and test engineer in a solution-oriented, collaborative manner in all steps of the Software Development Lifecycle (SDLC). I have experience in many areas, from small-scale to large-scale software, such as high availability, auto-scalable enterprise solutions, and web applications. After over 5 years of experience working in the defense industry and various companies, I decided to work freelance. I have been working as a freelance Full Stack Developer/Business Analyst (System Engineer)/Test Engineer/Blogger since May 2023. I am a supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues. I have a high level of personal morals and integrity. I am goal-oriented, self-motivated, and committed to the successful outcome of the project.

SKILLS

Requirement Analysis and Management (Business Analyst / System Engineer) Skills

- Strong competency in requirements analysis and management processes.
- Competent in preparing Mockups, SSS, SRS, STP, STD, STR, and User Manual documents in accordance with MIL-STD, STANAG standards, and HAVELSAN HVL-TEMP-SRS, MilSOFT document templates.
- Experienced in Agile project management, particularly Scrum Framework.
- Adept at using tools like Jira, MS Project, Confluence, Doors, Microsoft Office Apps., and Figma.

Testing Skills

- Experienced in implementing ISTQB-recommended practices for both automation and manual testing within Agile environments.
- Proficient in using test automation tools, including Selenium, Postman, and Cucumber.

Full-Stack Software Development Skills

- Proficient in writing clean, maintainable, and efficient code.
- Experienced in procedural programming, object-oriented programming (OOP), multithreading, SOLID principles, design patterns, data structures, algorithms (searching/sorting), and debugging.
- Skilled in version control and CI/CD processes using tools like SVN, Git, GitHub, GitHub Actions, Bitbucket, Maven, Jenkins, and SonarQube.
- Experienced in container-based application development with Docker.
- Capable of creating user-friendly web interfaces using HTML, CSS, JavaScript, React.js, and Bootstrap.
- Experienced in relational database design and management with SQL, Transact-SQL (T-SQL), Microsoft SQL Server, and PostgreSQL.
- Proficient in application development using UML, C++, C#, Python, and Java (Swing, JavaFX, Spring Framework, JUnit, Hibernate)

EDUCATION

- [Miuul, Data Science & Machine Learning Bootcamp Participant, \[GitHub, Certificate\]\(#\)](#) **05.2023 - 11.2023**
It is an online-live and mentor-supported Data Scientist and Artificial Intelligence (AI) Engineer Training program. In this program, I developed projects that solved more than 10 real-life problems.
- [Gazi University, M.Sc. Information System \(in English\)](#) **2022 - Present**
- [Ankara University, B.E.N.G. Computer Engineering \(in %100 English\), GPA: 3,01 / 4.00](#) **2014 - 2019**
Since none of the courses I took in the computer programming department were not counted, my education period; English Preparation (1 year) + Engineering Education Period (4 years).
- [Gazi University, F.D. Computer Programming, GPA: 3.25 / 4.00](#) **2011 - 2013**
Top Score of Department
- [Ahmet Çiçek Anatolian Technical High School, Web Technologies and Software, GPA: 79 / 100](#) **2007 - 2011**
Top Score of Department

EXPERIENCE

FREELANCE

06.2010 - 04.2021 & 05.2023 - Present

Business Analyst (System Engineer) & Full Stack Developer & Agile Tester & Blogger, [Portfolio](#), [Medium](#)

- With my requirements analysis and requirements management skills, I ensure the production of the right software that would solve people's problems.
- With my Test Engineering skills, I ensure the production of quality, useful software.
- With my coding skills, I develop the software according to the requirements. I also automate regression tests in manual tests, reducing testing effort and human errors.
- I share my experiences on my medium page.

Used Technologies: Scrum, ISTQB Foundation Level, Microservice, Monolith, Jira, Trello, Confluence, UML, moqups.com, excalidraw.com, Figma, Maven, Jenkins, SonarQube, Git, Gradle, Bitbucket, Docker, Bash, Java, Java Spring Framework, JUnit, Html, CSS, JavaScript, Bootstrap, React.js, PHP, Laravel, Hibernate, SQL, PostgreSQL, Postman, Cucumber, Selenium, IntelliJ IDEA, Microsoft Office Programs.

MilSOFT

02.2023 - 05.2023

Senior System & Test Engineer

MilSOFT is the only company in the **Turkish Defense Industry** to reach the **CMMI-5** level with 100% coverage in all of its projects.

Mil-DLP (MilSOFT Multi Data Link Processor) is a system that provides multi-link processing capability to share tactical information among surface, subsurface, air, and land platforms/units.

I took tasks on the Mil-DLP Product Line (DLP of [Aselsan](#) company's [Siper](#) & [Hakim](#) projects are products of this product line) which was developed by applying Agile Methodology Scrum Framework.

- Created Organizational Memory with the information acquired during the orientation, and the contribution time of those who joined the project later was shortened.
- Planned and monitored test activities in the Sprint.
- Designed and created test cases for **NATO Tactical Data Link Systems** such as Link 11, Link 16, and Link 22 with 100% coverage among **6,000 pages of STANAG** requirements.
- Performed manual and automation tests.
- Verified the intermediate product at the end of the sprint.
- Performed impact analysis for errors, deficiencies, and improvements found during manual and automation tests.
- Created the Problem Report record on Jira by checking whether a bug report was opened before and if a bug report was opened before, whether it was opened correctly (severity, priority, impact analysis, component, etc. fields).
- Performed verification and regression tests of the Problem Report/Features whose status is Testing Request.

Used Technologies: Scrum, CMMI-5, ISTQB Foundation Level, STANAG, Jira, Confluence, Doors, STANAG, UML, SVN, Git, Bitbucket, Jenkins, SonarQube, Specific software developed by Milsoft for Automation Test Case Writing, Gateway, Microsoft Office Programs.

HAVELSAN

04.2021 - 02.2023

Senior Software & System / Test Engineer

HAVELSAN is a Defense Industry Company (**#99 on the 2020 top list of [DefenseNews](#)**) mainly focused on large-scale software projects.

MBSM Web Application Project is an information system developed using the product infrastructure named [KOVAN](#) (**National Enterprise Resource Planning (ERP) Product**) by HAVELSAN.

I took tasks **in all stages of SDLC and STLC** in the MBSM project developed by applying **Microservice architecture** and Agile Methodology Scrum Framework.

- **During the analysis and requirements determination phase**, according to the **MIL-STD-408** software development standard and HVL-TEMP-SRS Havelsan document standard, I took tasks of creating, managing, reporting on, verifying, and validating the requirement set consisting of approximately **2,500 software requirements** for 5 Departments (Price Cost Analysis, Quality, Procurement, Inspection, and Information Communication departments) of the Ministry of National Defense.
- **During the design and development phases**, I took the tasks of designing and developing the application to meet the defined requirements, writing unit tests, fixing bug records, and reviewing Pull Requests.
- **During the testing phase**, I took part in the early detection of errors with the shift-left approach and reducing the cost of error correction/faulty development, planning the tests to be performed in the sprint, designing the test scenario with 100% coverage among 2500 requirement sets, creating the test procedure document, publishing the approved test procedures on Jira, running static/dynamic, functional/nonfunctional tests, creating and tracking the records of the errors/deficiencies/improvements found by performing impact analysis on Jira, presenting the status of the tests in status meetings, standardizing the error records on Confluence to avoid creating duplicate/faulty records, and automating manual tests to reduce the cost of regression testing.

Used Technologies: Scrum, CMMI-3, ISTQB Foundation Level, MIL-STD-408, Microservice, Jira, Confluence, Doors, UML, Git, Gradle, Bitbucket, Maven, Jenkins, SonarQube, Docker, Bash, Java, Java Spring Framework, JUnit, JSF, PrimeFaces, Hibernate, SQL, PostgreSQL, Postman, Cucumber, Selenium, IntelliJ IDEA, Microsoft Office Programs.

Information Communication Technology Teacher & TUBITAK 4006 Project Manager

I ensured that 26 different projects that got secondary school students interested in software in the field of information technologies were completed on time simultaneously. I ensured the establishment of the school library.

Used Technologies: Scrum, Trello, WordPress, Html, CSS, JavaScript, Arduino, Sensors, Microsoft Office Programs.

CERTIFICATES

• 01.2024, Scrum BTK Academy	Certificate	• 05.2023, API Testing BTK Academy	Certificate
• 08.2023, Machine Learning Miuul	Certificate	• 02.2023, Amazon Web Services (AWS) Udemy	Certificate
• 07.2023, Feature Engineering Miuul	Certificate	• 09.2022, Jenkins BTK Academy	Certificate
• 07.2023, Python Programming for Data Science Miuul	Certificate	• 05.2022, Docker Udemy	Certificate
• 05.2023, Software Test Automation BTK Academy	Certificate		

HOBBIES & INTERESTS

- Trekking.
- Online Computer Games (I play in a support position in [LoL](#) game.)
- I don't smoke. At the same time, I am a volunteer member of [Yeşilay](#).
- I am a Volunteer Member of the Disaster and Emergency Management Presidency ([AFAD](#)).
- I am a member of the [Ankara Club Association](#), which was established with the directives of [Mustafa Kemal ATATÜRK](#).

REFERENCES

- **Can TUNÇ - Lobi Bilişim Project Manager** +90 530 527 85 89
(worked together for 1 year in MBSM Project)
- **Doğan VARLI - Havelsan Project Manager** dvarli@havelsan.com.tr, +90 539 552 42 39
(worked together for 1 year in MBSM Project)
- **İbrahim Cihan YETİŞKEN - Head of Department Gazi Univesity TUSAŞ – KAZAN VOLATIONAL HIGH SCHOOL**
(worked together for 2 years) cyetisken@gazi.edu.tr, +90 553 629 83 42
- **Berkcan ÇELİK- Software Engineer at Yapı Kredi Technology** berkcan.celik@yteknoji.com.tr, +90 554 559 74 04
(worked together for 1 year in MBSM Project)