

Ferhat TUF EKCI

Systems Engineer (Business Analyst) who has been working in different roles such as software engineer, system engineer, and test engineer in a solution-oriented, collaborative manner in all steps of SDLC since high school education.

Ankara, Turkey

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Personal Security Clearance : Valid until 12.04.2026

Military Service: Completed

Driving Licence : Classes M, B, B1, D1 (No traffic fines or accidents since 2015)

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, 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 SDLC**. I have experience in many areas, from small-scale software to large-scale software, such as high availability, auto-scalable enterprise solutions, and web applications.

With my requirements analysis and requirements management skills, I ensured the production of the right software that would solve people's problems. With my Test Engineering skills, I ensured the production of quality, useful software. On the other hand, with my coding skills, I improved the interface and functional requirements. I also automated regression tests in manual tests, reducing testing effort and human errors.

I am currently continuing my career as a system engineer (business analyst), and test engineer. 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. I am willing to work hard and have a great desire to learn.

Skills

- Understands abstraction in software.
- Writes easy-to-understand and easy-to-maintain code.
- Knows industry standards and tries to keep up with them.
- Knowledge of procedural programming, object-oriented programming, multithreading programming, solid principles, design patterns, data structure, and searching and sorting algorithms.
- Knows Procedural Programming C and Object Oriented programming languages such as C++, C#, and Java and learns other programming languages from the same family in a short time.
- Knows SQL commands (data manipulation commands, database manipulation commands) and transacts SQL language developed for SQL server. Learns other SQL languages such as PostgreSQL, PLSQL, and database management systems in a short time.
- Knows HTML, CSS, JavaScript, Bootstrap, and PHP and learns other CSS and JavaScript libraries in a short time.
- Knows Agile methodology Scrum.
- Knows CI/CD processes and DevOps tools such as Jenkins and SonarQube.
- Knows how to do Requirement Analysis and Management.
- Knows how to prepare documents such as SSS, SRS, STP, STD, STR within the scope of MIL-STD, STANAG standards, and HAVELSAN HVL-TEMP-SRS, MiISOFT document templates.
- Knows written test concepts and techniques at ISTQB Foundation Level syllabus V4.0.
- Knows how to apply static and dynamic tests in automation and manual testing in an Agile environment.
- Knows Testing Tools and frameworks such as Selenium, Postman, and Cucumber and learns other test frameworks in a short time.
- Knows how to use Jira for problem tracking and Agile project management.
- Knows how to create/update corporate memory via Confluence.
- Knows Git version control system and manages Git repository with Bitbucket and Github.
- Knows Microsoft Office Programs.

Languages

- Turkish (Native)
- English (I graduated from Ankara University, which provides education in 100% English)

Hobbies and 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) to raise awareness about the reality of earthquakes, which should always be aware of, and to survive in possible earthquake situations, to sustain my life, and to bring light to those who are under the collapse (under the darkness).
- I am a member of the Ankara Club Association, which was established with the directives of Mustafa Kemal ATATÜRK and keeps the tradition of being a spy.

Work Experience

MilSOFT

Ankara, Turkey

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) PRODUCT LINE PROJECTS (INTEGRATED WITH SIPER & HAKIM PROJECTS OF ASELSAN COMPANY)

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.

As a Senior System & Test Engineer, I have taken tasks on the on Mil-DLP Product Line which was developed by applying Agile Methodology Scrum.

Responsibilities:

- Requirement Analysis and Management.
- According to NATO Requirements, the Creation of test scenarios for NATO Tactical Data Link Systems such as Link 11, Link 16, Link 22, JREAP, and VMF.
- Performing manual and automation tests.
- Including planning and tracking of test activities in Sprint.
- Writing test scenarios, and running tests.
- Creating and tracking the Problem Report record over Jira for errors, deficiencies, and improvements found during manual and automation testing.
- Creating/updating corporate memory via Confluence.

Used Technologies: | Agile methodology Scrum for project management | Jira for issue, task tracking, and project management | Confluence for corporate memory | Jenkins for CI/CD | Doors for requirement management | STANAG standards for Reporting Requirements and Engineering Suggestions in accordance with military standards | SVN for document version control | Git for automation test case version control | Bitbucket for repo system | Specific software developed by Milsoft for Automation Test Case writing | Gateway to monitor data transmission |

HAVELSAN

Ankara, Turkey

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.

DIJITAL TWIN PROJECT

To talk about the project without exceeding the confidentiality rule, I worked as a Senior Software Engineer at all steps in the Software Development Lifecycle in Digital Twin Project at HAVELSAN.

MINISTRY of NATIONAL DEFENSE INFORMATION MODERNIZASYION (MBSM) PROJECT

The fast and effective realization of the business processes carried out within the MSB in the electronic environment, To ensure the continuity of the system against the unavailability of services as a result of an unexpected technical failure, disaster, or attack (nuclear, biological, chemical, physical, cyber attacks, etc.) in the operating information systems, prevent system interruption and loss of information, It is an information system developed using the product infrastructure named **KOVAN** by HAVELSAN to ensure that relevant stakeholders can exchange data securely with MBSM within the framework of specified authorities.

As a **Senior Software & System / Test Engineer**, I have **taken tasks at all steps** in the Software Development Lifecycle of the MBSM project, which was developed by applying Agile Methodology **Scrum** with **Microservice Architecture**. During the analysis and requirements determination phase, I was involved in the **creation and management of the requirement set**, consisting of **approximately 500 software requirements for each of the 5 Departments**. I also participated in **software development, testing, and leadership activities (including planning and tracking of test activities in Sprint, writing test scenarios, running tests, bug tracking, and covering end-to-end processes from requirement analysis to maintenance)**.

Responsibilities:

- Determining the requirements of the software, analyzing and reporting which are According to MIL-STD-408 software development standard and HAVELSAN document template standard HVL-TEMP-SRS.
- Reporting Engineering Change Requests (Reporting customer requests, which should be qualified as Contract Amendment Proposal, as 'SDÖ').
- Developing the application according to the identified requirements.
- Planning the test based on the defined requirements, designing the test case, and creating the test procedure document.
- Release of approved Test procedures on Jira.
- Performing static and dynamic tests in an Agile environment.
- Creating and tracking the NCR record over Jira for errors, deficiencies, and improvements found during static and dynamic testing.
- Solving NCRs that are in proposed status on Jira.
- Following up the CD 'Continuous Delivery' process with Jenkins.
- Performing regression testing and updating the status of the error record (NCR).
- When an intermediate product is available to the user, explain the use of the program to the user.
- Preparation of the User Manual of the Modules that have been accepted provisionally/conditionally.
- Creating/updating corporate memory via Confluence.

Used Technologies: | Agile methodology Scrum | Jira | Confluence for corporate memory | MIL-STD-408 and HVL-TEMP-SRS standards for Reporting Requirements and Engineering Suggestions in accordance with military standards | Jenkins for CI/CD | SVN for document version control | Git for automation test case version control | Bitbucket for repo system | Java programming language and Spring Framework for software development | Java Server Face (JSF) MVC web framework for using reusable UI components in a page and component-based user interfaces for web applications | PrimeFaces for JSF | Hibernate, is a Java-based object-relational mapping framework (ORM) to facilitate database communication and data access processes by automatically performing transformations between database tables and Java classes | Docker | IntelliJ IDEA for debugging |

4006-TUBITAK SCIENCE FAIR PROJECTS

Children starting coding education at an early age; show more development in mental development, problem-solving skills, planning of work, establishing relationships between situations, and generating new ideas.

With 4006-TUBITAK Science Fair Projects, the mental development of Vehbi Dincerler Secondary School students makes them more successful in coding in the years ahead. Considering that secondary school students will be more beneficial individuals in the state of the Republic of Turkey with these known benefits, I worked as an **IT and Technology Teacher** and **TUBITAK 4006 project manager** until my job applications for defense industry companies were concluded.

Used Technologies: | WordPress, HTML, CSS, and JavaScript for media literacy project | Arduino and sensors for robotics-related projects |

Education

Gazi University

M.Sc. Information System(in English)

- ✓ Blockchain

Ankara, Turkey

2022-Currently

Ankara University

B.E.N.G. Computer Engineering(in %100 English), GPA: 3.01 / 4.00

- ✓ 100 % English Education
- ✓ Programming Languages Concepts
- ✓ Object Oriented Design
- ✓ Data Structures
- ✓ Design Patterns
- ✓ Parallel Programming
- ✓ Agile Software Development | CI / CD | Jira | Confluence | Jenkins | Docker | Maven
- ✓ Embedded Programming
- ✓ Hardware Description Language (VHDL)
- ✓ Relational Databases
- ✓ Data Mining
- ✓ MSSQL Server
- ✓ C++
- ✓ Core Java
- ✓ Java Swing
- ✓ Hibernate

Ankara, Turkey

2014 - 2019

Gazi University

F.D.Computer Programming, GPA: 3.25 / 4.00

- ✓ Top Score of the Faculty
- ✓ Requirement Analysis
- ✓ Requirement Management
- ✓ System Design
- ✓ Doors
- ✓ UML
- ✓ Software Testing
- ✓ Software Development
- ✓ Adobe Products (Photoshop, Illustrator)

Ankara, Turkey

2011-2013

Yenikent Ahmet Cicek Anatolian Technical High School

Web Technologies and Software, GPA: 79 / 100

- ✓ Top Score of the Department
- ✓ Html | Css | JavaScript | Bootstrap
- ✓ Web Development
- ✓ Object Oriented Programming (OOP)
- ✓ SOLID Principle
- ✓ C#
- ✓ SQL
- ✓ Git Version Control System
- ✓ Github Repo System
- ✓ asp.net mvc
- ✓ Windows Presentation Foundation (WPF)
- ✓ CATIA
- ✓ Autocad 2D

Ankara, Turkey

2007-2011

Certificates

Amazon Web Services (AWS), by Özgür ÖZTÜRK

[Udemy](#)

Docker From Beginner to Advanced, by Özgür ÖZTÜRK

[Udemy](#)

Linux Commands and Shell Scripting, by Çiğdem Kadakoğlu

[Udemy](#)

Object – Oriented Data Structures in C++, by Wade Fagen Ulmschneider

[Coursera](#)

Jenkins

[BtkAkademi](#)

API Testing

[BtkAkademi](#)

Automation Testing, by Erdem Yıldırım

[BtkAkademi](#)

Python Programming, by Vahit Keskin Co-Founder and CEO Miuul

[Miuul](#)

Feature Engineering, by Vahit Keskin Co-Founder and CEO Miuul

[Miuul](#)

Machine Learning, by Vahit Keskin Co-Founder and CEO Miuul

[Miuul](#)

References

- Can TUNÇ – Lobi Bilişim Project Manager in MBSM Project (worked together for 1 year)
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- Doğan VARLI – Havelsan Project Manager in MBSM Project (worked together for 1 year)
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- İbrahim Cihan YETİŞKEN – Head of Department at Gazi University TUSAŞ -KAZAN VOLATIONAL HIGH SCHOOL –(worked together for 2 years)
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- Berkcan ÇELİK – Software Engineer at Yapı Kredi Technology (worked together for 1 year 4 months in MBSM Project)
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- Yunus Emre İRTEN – Software Engineer as a freelancer – (worked together for 2 months in Idem Technology)
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