



MEVLÜT MERT ÇİL

Software Engineer with extensive experience in B2B, finance, and defense industries. Skilled in designing and developing scalable software using JavaScript, Java, C#, C/C++, and Python. Experienced with frameworks such as Node.js, React, Java Spring, Django, Flask, and the .NET stack (WebForms, MVC, .NET Core), with a focus on building reliable microservices. Committed to continuous learning and adept at applying AI-assisted tools to enhance software quality and team productivity. Holds a double major B.Sc. and an M.Sc. in Electronics Engineering from Istanbul Technical University, combining strong technical foundations with hands-on industry experience.

WORK EXPERIENCE

Senior Software Development Engineer

01/2020 - Current

Havelsan - Ankara, Türkiye

- Contributed to the **design, development, and testing** of **Diyalog**, a WebRTC-based online meeting platform, as part of a full-stack engineering team.
- Developed front-end features using **ReactJS** with **ES6** and **TypeScript**.
- Built back-end services with **Node.js**, using both **CommonJS** and **TypeScript** modules.
- Worked with **WebRTC (C++)** and integrated various **streaming libraries** for real-time communication.
- Used **Redis** for caching and **PostgreSQL** for relational data storage.
- Collaborated through **Atlassian tools** including **Jira**, **Confluence**, and **Bitbucket**, and used **WebStorm** as the primary development environment.

Software Development Engineer

02/2019 - 01/2020

Havelsan - Ankara, Türkiye

- Participated in the **design, development, and testing** of a **5G core network system** as part of a full-stack engineering team.
- Developed backend services using **Spring Boot MVC** with **Java 8–11**, along with **Ignite Cache**, **Kafka**, and **JUnit 4** for data processing and testing.
- Implemented internal tools in **Python 3**, including **parsers** and **auto-code generators** to accelerate development processes.
- Utilized **Swagger** for API documentation, integrated CI/CD pipelines with **Jenkins**, and performed development and debugging in **IntelliJ IDEA** and **VS Code**.

Software Development Engineer

06/2018 - 11/2018

Garanti Technology, BBVA Group - Istanbul, Türkiye

- Performed full-stack development and platform modernization, transitioning the system from **C# (.NET)** to **Java (Spring MVC)** to enhance scalability and long-term maintainability.
- Migrated a legacy **ASP.NET WebForms application (C# .NET 4.0 with Microsoft SQL Server 2012/2014)** for a car fleet management system used by a major bank to a **modular Java Spring MVC (v4.3)** architecture with **Hibernate ORM**, rewriting business logic and optimizing data access through **queries** and **stored procedures** in the existing SQL Server database.
- Built dynamic web interfaces using **JSP**, integrated with the **Spring MVC** backend to enable responsive and user-friendly interactions.
- Utilized **Swagger** for API documentation and collaborated on CI/CD processes using **Jenkins**.
- Used **GitHub**, **Bitbucket**, and **Team Foundation Server (TFS)** for version control and team collaboration in a multi-repository environment.
- Worked in both **IntelliJ IDEA** and **Visual Studio 2015** for cross-platform development, debugging, and deployment.

Software Development Engineer

10/2015 - 06/2018

Vestek (R&D Department of Vestel Corporation) - Istanbul, Türkiye

- Developed and maintained **Linux-based B2B embedded software** using **C/C++**, **Python**, **JavaScript**, and **HTML**.
- Built an automated **build-bot system** in Python to streamline deployment.
- Created **JavaScript unit tests** with **Jasmine** to improve code quality.
- Implemented features and fixed bugs in **C/C++** for the **embedded operating systems** powering **set-top box TV units**.

Computer Engineering Internship

07/2012 - 08/2012

Inveon Information Technologies Consultancy and Trading Corp. - Istanbul, Türkiye

- Developed web applications for international and local clients using **ASP.NET MVC 3** and the **nopCommerce** platform.
- Built responsive UIs with **HTML4**, **CSS3**, and **JavaScript**; developed backend logic in **C#**.
- Implemented **CSV-based multilingual support** for easy content management.

CONTACT

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- 📄 Driving licence (B)
- 📍 Türkiye
- 🇹🇷 Turkish

SKILLS

Programming/Scripting

- Java, C#, C/C++
- Kernel C, Assembly
- JavaScript, Python, Lua
- HTML, CSS
- ABAP

Frameworks

- ReactJS, Node.js, ExpressJS
- Spring MVC (4,3,5,0), JSP
- ASP.NET MVC/Web Forms
- Apache Wicket

Databases

- PostgreSQL, MySQL, SQLite
- MS SQL Server 2012 & 2014
- ORM: Sequelize, Hibernate
- Redis, Ignite Cache

Version Control & Software Development Management

- Git, Mercurial, SVN, Team Foundation Server
- Jira, Bitbucket, Confluence, Trello, SourceTree

Computer Graphics & Vision

- Matlab
- OpenGL
- OpenCV

Hardware Design

- Verilog, VHDL, Xilinx ISE
- Proteus PCB Design, Orcad PSpice, Cadence, Multisim
- Advanced Design System, Microwave Office

ACCOMPLISHMENTS

- Double Major and a MSc Degree holder from Istanbul Technical University
- GPA > 3.0 all terms
- Ranked in the top 0.36% nationwide in Turkey's university entrance exam

NETWORK

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LANGUAGES

Turkish

English

INTERESTS

Sports

- swimming
- volleyball

Music

- playing the electric guitar
- mixing with Reaper

Dance

- ballroom dances:
jive, cha cha, tango
- social dances:
salsa, zumba

Photography

- using an APS-C camera
- post-processing using
DaVinci Resolve

WORK EXPERIENCE

Computer Engineering Internship

06/2011 - 07/2011

MBIS Computer Automation Consultancy and Education Services - Istanbul, Turkiye

- Gained hands-on experience in **SAP** development with a focus on the **ABAP** programming language.
- Developed basic **arithmetic programs** in ABAP as part of training progression.
- Completed a full software module that **retrieves data from SAP databases** and prepares it for **PDF output**.

Electronics Engineering Internship

08/2010 - 09/2010

Arçelik Corporation - Istanbul, Turkiye

- Designed and produced a **custom PCB** for a **fan driver circuit**.
- Developed a **voltage source circuit** capable of generating square and triangular waveforms on PCB.
- Created a **C# WinForms application** to simplify circuit calculations and support engineering workflows.
- Performed **measurement and quality control** procedures on TV units in the **TV department of Arçelik** to evaluate performance and compliance.

Computer Engineering Internship

06/2010 - 07/2010

EvolineTR - Istanbul, Turkiye

- Gained hands-on experience with C++ **MFC applications** using **Visual Studio 2008**.
- Studied **C#** with a focus on OOP and event-driven programming.
- Built a **car parking system software project**, implementing core logic and system behaviors.
- Applied **event and delegate mechanisms** in C# to handle various parking system states and transitions.

Electronics Engineering Internship

08/2009 - 09/2009

Siemens - Istanbul, Turkiye

- Learned to use **SiPass** and key components of **building automation systems**.
- Learned how to design and configure automation solutions for large-scale commercial buildings.
- Contributed to **building automation projects** for several **5-star hotels in Istanbul**.

Electronics Engineering Internship

09/2008 - 10/2008

Istanbul Technical University Control Laboratory - Istanbul, Turkiye

- Completed a **two-week compulsory internship** after the first year of the BSc program.
- Collaborated in a **team of two** to design a **voltage source PCB** as part of an assigned project.
- Used **Proteus ARES** for **PCB layout design** in the university laboratory environment.
- Designed a circuit featuring an **AC input**, **rectifier**, **555 timer IC**, and **potentiometer**.
- Produced a **DC voltage source** capable of outputting **-5V**, **+5V**, and adjustable levels in between.

EDUCATION

Master of Science: Electronics Engineering

09/2012 - 06/2015

Istanbul Technical University, Istanbul, Turkiye

Master of Science: Embedded Electronic System Design, Erasmus Program

09/2013 - 06/2014

Chalmers University of Technology, Gothenburg, Sweden

Bachelor of Science: Computer Engineering - Double Major Program, Major II

09/2008 - 06/2015

Istanbul Technical University, Istanbul, Turkiye

Bachelor of Science: Electronics Engineering - Double Major Program, Major I

09/2007 - 06/2012

Istanbul Technical University, Istanbul, Turkiye

REFERENCES

Yeşim BAYRAMLI

Senior Technical Program Manager at Amazon,

Former Manager at Havelsan

<https://www.linkedin.com/in/yesim-bayramli>

Assoc. Prof. Feza BUZLUCA

Faculty Member, Istanbul Technical University

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Anıl ULUTÜRK

Software Engineer at Google, formerly a Software Engineer at Microsoft

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