**Halit Derya** [](https://www.linkedin.com/in/halitd/)[](https://github.com/halitderya)[](https://halitd.com)

Full Stack Software Engineer (MSc)

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Profile Summary

* **Full-Stack web developer** with the **MERN stack** (MongoDB, Express.js, React, and Node.js), solid knowledge of Microsoft technologies (C#, WPF , WinForms, Entity Framework).
* **System** **Design** expert with a proven track record of designing scalable, efficient, and robust solutions involving client-server architectures and MVC patterns.
* Active role during each phase of the **Software** **Development** **Life** **Cycle**, ensuring the development of clean, maintainable code with comprehensive testing and documentation.
* Engaged collaborator with strong interpersonal skills, able to influence and **align multiple teams** with conflicting priorities to drive progress under aggressive time constraints.
* Able to effectively **navigate** **ambiguity**, complexity and change when stakes and pressure are high, and lead without authority to overcome obstacles and ensure delivery.
* Object Orientated Programming, Data Structures, Design Patterns, Algorithms, Agile methodologies and Test Drive Development (TDD)

Visa & Legal

**UK Citizen – Have right to work**

Technical Skills

**Programming Languages:** TypeScript, NodeJS, C#

**Frameworks & Libraries:** ReactJS, WPF, WinForms, Entity Framework, MetroFramework, LINQ, Vite, Styled-Components, ExpressJS, NextJS, Redux, Tailwind CSS, YOLO, SignalR, TDD

**Cloud / Server:** AWS EC2, S3 IAM, DynamoDB, Firebase, VPS, Linux, NGINX, Apache Tomcat

**Databases:** MSSQL, MySql, MongoDB, CosmosDB

**DevOps & Tools:** Docker, GitHub Actions, Azure Functions

**Shell International** [](https://www.shell.com)**London, UK**

Software Engineer Oct.2022- Present

* As a Software Engineer, developed an application for customer license plate recognition, incorporating database checks and seamless backend integration.
* Enhanced the plate recognition system, ensuring smooth operation and robust connectivity with backend systems.
* Contributed to the design and implementation of the user interface for a charging point kiosk, focusing on user experience and feature integration.
* Supported optimization and testing efforts to improve system performance and maintain reliable backend connectivity.

2nd line IT Engineer Oct. 2018 – Present

* Managed Mac user support, assisting engineers across hubs, and contributed to developing Mac-specific tests.
* Overseen lab hardware support, machine preparation, and administered Meraki Wi-Fi and cable network, including firewall management.

**Eczacibasi Bilisim**[](https://eczacibasibilisim.com.tr)**Istanbul, Turkey**

ITSM Engineer Mar. 2017 - Nov. 2017

* Customised screens and workflows on HP Service Manager (HPSM), implemented ITIL best practices, and developed training, enhancing process efficiency and optimising service management and support operations.

3rd line IT Support Specialist  Feb. 2016 - Mar. 2017

* Managed and supported IT infrastructure and services, resolving issues within SLA times to enhance operations efficiency across devices and platforms like PCs, Mac OSx, Active Directory, Exchange Server, and VMWare.

**EON**[](https://www.eonenergy.com)Helpdesk Supervisor **Ankara, Turkey** Mar. 2014 - Nov. 2015

* Supervised and improved help desk operations, coordinating daily activities, implementing best practices, and conducting training sessions to enhance team proficiency and customer service.

**Fujitsu Siemens Computers**IT Helpdesk **Ankara, Turkey** Nov. 2007 - Mar. 2014

* Installed, maintained, and troubleshooted IT equipment, resolving issues with servers, PCs, laptops, mobile devices, printers, network devices,IP telephony, and services including Active Directory, MS Exchange, DNS, DHCP, File Server, FTP Server, VMWare, and Hyper-V.

Software Development Experience

**License Plate Recognition System**  Oct 2022 - Present

* Developed an application for recognizing customer license plates and performing database checks.
* Utilized React for the front end and Azure Functions for the serverless backend.
* Integrated Python with YOLO for the plate recognition system.
* Used CosmosDB for data management within a serverless architecture.

**Charging Point Kiosk UI**  Oct 2022 - Present

* Contributed to the development of a charging point kiosk user interface.
* Built the UI using Next.js, React, and TypeScript.
* Used EC2 to deploy the app and S3 to store images
* Collaborated on optimizing the front-end performance and ensured smooth interaction with backend systems.

**Kanban Board**[](https://github.com/halitderya/kanban)[](https://github.com/halitderya/kanban-backend)  Dec 2023 - May 2024

* Developed an open-source **Kanban** **board** tool designed to facilitate project management and collaboration, integrating front-end and back-end technologies to enhance user experience and system performance.
* Constructed the front end using **ReactJS** and **TypeScript** with **NextJS**, employing **Redux** for state management and **TailwindCSS** for responsive design.
* Implemented the back-end using **NodeJS** and **ExpressJS**, with **MongoDB** for data storage, utilising **Docker** for consistent deployment environments and **GitHub** **Actions** for continuous integration.
* Proactively seek performance improvement opportunities with a well-defined profiling approach to isolate and clear bottlenecks, improving speed and stability.

**AppointMe**[](https://github.com/halitderya/AppointMe)  Jul 2018 - Mar 2019

* Engineered a **desktop**-based **appointment** **scheduling** application for hairdresser salons to manage bookings, optimise staff allocation, to improve both customer management and service timing.
* Integrated real-time appointment updates and automatic client notifications using **C**# and **Entity** **Framework**, to streamline booking processes and shrink no-show rates, while enhancing operational efficiency.
* Developed a user-friendly interface with **WPF** and **DevExpress**, coupled with an efficient database management system in **MS** **SQL**, improving user engagement and reducing appointment scheduling errors.
* Wrote and maintained **clean code**, comments and documentation to ensure optimal legibility and productivity.

**Dry Cleaning Automation**[](https://github.com/halitderya/dry)  June 2017 – Dec 2017

* Developed an automated dry **cleaning** **management** **system** to streamline operations, improve customer service efficiency, and address technical challenges in scheduling and tracking orders.
* Evaluated **technical** **requirements** and researched adequate technologies, analysing benefits and drawbacks in terms of scalability and sustainability, and aiming at avoiding future technical debt.
* Designed the architecture of the application, and focusing on performance, scalability and maintainability.
* Implemented a dynamic scheduling algorithm using C# and LINQ, aiming at optimizing order processing times and employee workload by minimizing average turnaround times and ensuring prompt and reliable service delivery.
* Engineered a robust customer management interface in **Windows** **Forms** and **WPF**, utilising **MetroFramework** for an enhanced user experience and **MS** **SQL** for data integrity, which offered fast data retrieval speeds.
* As best practice, created clear, concise commenting and user-friendly **documentation**, providing necessary instructions for product maintenance, installation and usage.

**ScreenToClipboard**[](https://github.com/halitderya/ScreenToClipboard)  Oct 2016 – June 2017

* Engineered a sophisticated screen reading application at **Polin Waterparks** using **C#,** **WPF**, and **Windows** **Forms**, which automated the extraction and clipboard storage of text from specific screen areas, significantly improving process efficiency.
* Implemented Optical Character Recognition (**OCR**) and Microsoft Office Document Imaging (**MODI**) technologies to develop a robust tool that accurately captures and processes engineering data, streamlining documentation workflows.

**IT Asset Management App**[](https://github.com/halitderya/inventory)  Mar 2016 - Oct 2016

* Developed an **IT** **asset** **management** **application** for **Polin** **Waterparks** to effectively track and manage hardware and software assets, addressing challenges in asset utilisation and inventory accuracy.
* Implemented robust asset tracking features using **C#** and **Windows** **Forms**, which integrated seamlessly with **MSSQL** to ensure reliable data storage and retrieval, improving asset recovery rates by **40%.**
* Enhanced reporting capabilities, enabling detailed asset lifecycle analysis and financial auditing, which reduced discrepancies in asset records and increased inventory accuracy by **95%.**

Education

**Master of Science (MSc) Wrexham, North Wales** Jan. 2023 – Nov.2024

Computer Science with Software Engineering

* Pursuing a career-focused MSc degree entirely online, designed to develop advanced competencies in software engineering and computer science.
* Engaging in key modules including Software Development for the Web, Mobile Application Development, and Secure Software Development.