

Johan Enström

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Education

Skills

IT-Högskolan - 08/2022 - 06/2024

.NET Developer

- Object-Oriented Programming
- Web Development with .NET
- Database development and administration
- Clean code and test-driven development
- Agile development
- Customer understanding, consulting skills and reporting

- Programming: C#, .NET, ASP.NET Core, Entity Framework Core, LINQ
- Web development: HTML, CSS, JavaScript, REST-API, React, Node.js
- Databases: SQL Server, MySQL, MongoDB
- Version control: Git, GitHub, Azure DevOps
- Cloud platforms: Azure and basic AWS knowledge
- CI/CD: Basic understanding of pipelines and automation
- Agile methods: Scrum, Jira, Trello
- Tools: VS, VS Code och Docker
- Languages: Swedish (native), English (fluent), Spanish (basic)

AI Sweden (External course) 10/2023 - 02/2024

AI - Organization, value and implementation

NTI-Gymnasiet - 08/2009 - 06/2012

Technical university preparatory program

Work experience

01/2024 - 05/2024

Internship, Junico

Developed a platform with ASP.NET Core and Azure SQL to automate data integration from an external API.

- Implemented efficient data manipulation methods using Entity Framework and ensured data integrity and quality through unit testing.
- Worked agilely with Scrum and implemented CI/CD pipelines in Azure DevOps.

09/2023 - 12/2023

Internship, Knowledge group

Specialized in web scraping and API integration to develop an automated marketing platform for an AI conference.

- Created data collection spiders with Scrapy for data extraction.
- Developed python scripts and tools to streamline web scraping and data handling.

05/2023 - 09/2023

Supervisor, ICA Kvantum Liljeholmen

Part-time work during studies as a supervisor in the evenings until my first internship.

- Person in charge during evenings, ensuring efficient operations across all departments, maintained continuous communication with department managers and performed closing procedures.

02/2023 - 07/2023

First-line support, Sundbybergs kommun/Academic Work

Part-time work during my studies as first-line support for the citizens of Sundbyberg.

- Independently responsible for resolving issues and providing throughout assistance to citizens, requiring strong problem-solving skills and customer service abilities.

07/2016 - 08/2022

Department manager, ICA-Gruppen

Responsible for inventory management and staff, optimized sales through strategic product placement, and ensured compliance with safety and hygiene standards.

- Coached the team for increased efficiency and customer satisfaction, as well as developed strategies to boost sales and surpass previous results.

Projects

Web application for study support applications

Description: Developed a web application to streamline the application process for transitioning study support. The application integrated educational data from the Swedish National Agency for Education's Susa Hub through two API:s; a REST API that returns data in JSON format and the EMIL API that returns data in XML format. The data was stored in our own database to support the application process and manage rate limits.

Tech stack

- Backend: ASP.NET Core WEB API, Entity Framework
- Database: Microsoft SQL Server
- Authentication: ASP.NET Core Identity with JWT Tokens
- DevOps: Azure DevOps för CI/CD and hosting
- Security: Data Protection API, Azure Key Vault, TSL/SSL, SHA-256 ASP.NET Core Identity
- Testing: xUnit for unit tests

My role

- Designed and implemented a backend API for CRUD operations and management of educational data.
- Introduced in-memory caching to improve performance and reduce API calls.
- Validating and ensuring the quality of data retrieved. This involved cleaning, transforming, and organizing the data to ensure it was accurate, consistent, and up-to-date before integrating it into the application, facilitating a smooth and reliable application process for users.

Forum Post System

Description: Developed a CLI-based system to create, view and vote on posts in a forum-like format. Users can add new posts, view a list of existing posts with voting scores and upvote or downvote posts. The program uses object-oriented principles to handle the system's flow and logic.

Tech stack:

- Language: C#
- Framework: .NET Core
- Design patterns: Facade, Command
- Error handling: Try-catch blocks to manage unforeseen errors and user input.
- UI: CLI
- Version control: Git and Github.

My role:

- Designed and implemented the entire system from scratch, with classes for managing user interaction, posts and menu logic.
- Implemented error handling to manage invalid user input and offer unexpected errors.
- Used object-oriented design principles to ensure modular and maintainable code.
- Developed methods to dynamically handle lists of posts and voting through CLI interactions.

Web development - Recipe page with beverage recommendations

Description: A school project where we created a web application to recommend beverages based on recipe selection.

My role: Built and implemented user interface, including navigation menu, search bar and integration of the API for beverage recommendations.

Result: Delivered a responsive and user-friendly UI that enhanced the user experience and provided relevant beverage recommendations.

Database construction

Description: Designed and built an SQL Server database to manage company information, including departments and employee details.

My role: Normalized the database to the third normal form, ensured proper use of PK/FK and composite keys, and selected appropriate data types for the columns.

Result: Delivered a well-structured database that is easy to maintain and scale, enabling efficient data management and improved performance.

Implementation of database system with EF and ASP.NET Core.

Description: Implemented a database with Entity Framework and ASP.NET Core, following the code-first approach.

My role: Designed the database, developed a generic service for CRUD operations and integrated this into API controllers. Used AutoMapper to convert between DTOs and entities.

Result: An efficient and reusable service that enabled smooth CRUD operations with proper data handling and quick development.