Alexandru Fera

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SKILLS

Languages : C#, SQL (SQLServer, PostgreSQL), JavaScript/TypeScript, HTML/CSS , Rust
Frameworks : ASP.NET Core, Entity Framework, MediatR, IdentityServer, Vue.JS, Blazor WebAssembly
Tools : GIT, Visual Studio, VSCode, Docker, Azure DevOps, RabbitMQ, Redis

EXPERIENCE

Freelance   June 2020 – Present
Senior Software Developer

- Designed and implemented a document management system from the database schema to UI. Used Azure Blob storage for storing the files. Applied clean architecture principles, with clean code practices like separation of concerns, DRY, and also comand and query pattern with MediatR
- Took initiative and introduced static code analysis using the Roslyn analyzers to improve the style, quality, maintainability of the C# codebase
- To support the front-end team I designed and implemented a generic solution for filtering, sorting and pagination on the back-end API, that used Entity Framework together with Dynamic LINQ to generate the appropriate queries on the PostgresSQL database

Arnia   November 2017 – May 2022
Senior Software Developer   Bucharest, Romania

- Designed and implemented the front-end for a finance site using Kendo UI and ASP.NET MVC
- Implemented REST back-end APIs using WCF for communication and SQL Server for data storage
- Written acceptance tests using SpecFlow with Selenium in C#
- Led the software design and the building of multiple web applications using VueJs for front-end andASP.NET Core for back-end
- Built a message broker for processing card payments using NServiceBus
- Created and configured CI builds in Azure DevOps
- Designed and implemented a module that generates PDF files from Microsoft Word Templates that contain email merge fields by leveraging C# reflection and the Open XML SDK

Eminus Sofware   March 2013 – October 2017
Team Lead / Software Developer   Bucharest, Romania

- Contributed to the Microsoft ApplicationInsights SDK Labs by fixing a memory leak bug in the WCF telemetry module
- Improved the team build process by migrating the deployment solution to WiX installers resulting in a reduction of the total build time by a factor of 50%
- Implemented a custom ASP.NET Identity Provider based on the existing SQL Membership database schema and using Dapper as micro ORM
- Participated in the design and implementation of an enterprise message aggregator using the RabbitMQ message broker and a common XML Schema to integrate multiple heterogeneous systems
- Created technical design documentation (UML diagrams: class diagrams, sequence diagrams, use case diagrams)
- Performed management and deployment of Redis on CentOS Linux servers

EDUCATION

Universitatea din București   2016 – 2018
Master's degree in Computer Science   Bucharest, Romania