Alexandru Fera

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SKILLS

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

EXPERIENCE

Freelance   June 2020 – Present
Senior Software Developer

- Implemented REST back-end APIs using ASP NET Core Web API
- Took initiative and introduced static code analysis using the Roslyn analyzers to improve the style, quality, maintainability of the C# codebase
- Designed and implemented a generic solution used for filtering, sorting, pagination with Dynamic LINQ, Entity Framework Core that can be used by all front-end apps by interacting with an REST API

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