



Ioan Crisan

Software Architect

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HOBBY



Reading



Fishing

SKILLS

.NET / C#



TypeScript/JS



SQL



NoSQL



ASP.NET Core



Angular 9+



HTML/CSS



PROFESSIONAL EXPERIENCE

Dev Lead

Hays AG / 2022-now

Software Architect

Kephas Software SRL / 2010-2022

Consulting, architecture and development of software solutions in various domains, on-premise or in cloud. Concept and development of Kephas Framework, an innovative and modern application framework. I work closely with the customer in all development phases: concept, analysis, architecture/design, development, testing, deployment, acceptance and maintenance.

Senior Developer / gibGREINER GmbH / 2000-2010

Overall management and coordination of GRANID Framework as an autonomous product, project management, architect, component designer. Used a descriptive paradigm for data model and business logic.

Junior Developer

Transart SRL / 1999-2000

Coordination and development of the accounting and wages modules within the NEOManager 4.0 ERP product.

Keywords

Model Driven Architecture, OOP, SOLID, Aspect Oriented Programming (AOP), LINQ, SQL, NoSQL, Azure, Dependency Injection, DevOps, WPF, Kendo UI, Oracle, Postgres, SQL Server, MongoDB, Cosmos DB, GraphDB, XML, JSON, Docker, Bootstrap, ASP.NET Core, REST, WCF, Unit testing, SaaS, OAuth, IdentityServer, Redis, Rebex, .NET, Mono.

Technologie

Languages: C#, TypeScript, Python, LUA, Visual Basic, C++, JavaScript.

Desktop UI: WPF, ComponentOne

Web: ASP.NET Core, REST.

Web UI: Angular 9+, Kendo UI, jQuery, HTML, CSS, Blazor (experimental).

NoSQL: MongoDB, Cosmos DB, GraphDB, Redis.

Relational DB: SQL Server, SQL Azure, Oracle, PostgreSQL, MySQL.

Cloud: Azure, Cognitive Services, Logic Apps, Function Apps, Web Apps.

EDUCATION

Publications: Subsystem Inheritance and Composition in Complex Systems (International Conference on Advanced Computer Information Technologies, ACIT 2020) <https://ieeexplore.ieee.org/document/9208936>

Bachelor

Babes-Bolyai University Cluj-Napoca 2013-2017

Specialization: **Orthodox Theology**

Master

Babes-Bolyai University Cluj-Napoca 1999-2000

Specialization: **Artificial Intelligence**

Bachelor

Babes-Bolyai Universität Cluj-Napoca / 1995-1999

Specialization: **Software Analyst and Developer, Database Programming**

PROJECTS



LANGUAGE

Romanian



German (C1)



English (C1)



French (A1)



CITIZENSHIPS

Romanian



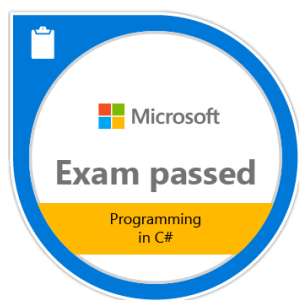
German



Microsoft Partner

Application Development (Silver)

Application Integration (Silver)



Capgemini Engineering

Asome (ASML)

2021-2022

Model-Driven-Engineering solution for generating C++ code in the data area. Took responsibilities in the designer area (Java) and code generation, by implementing graph related algorithms for diagrams and code generation templates. The challenge was to address technologies not directly in the preferred technology stack and provide deliverables in a short period of time.

Technologies: Java, C++, XText.

Babes-Bolyai University

KnowledgeBase

2021 - now

Prototype for a solution presenting various actors with their relationships (Professors, Students, Projects, Articles).

Technologies: ASP.NET Core 6, Bootstrap 5, Kendo UI, GraphDB, Kephass Framework, .NET 6. **Other:** TDD, Azure DevOps, CI/CD.

SwissChem AG

Kephass Automation Services

2020 - now

Solution for the automatic tagging and item assignment of documents that have been retrieved from various sources: Scanner, E-Mail, File System, and storing them in SharePoint Online.

Technologies: ASP.NET Core 6, SharePoint Online, Azure Cognitive Services, Kephass Framework.

Trianet GmbH

TNSA

2016 -2021

Solution for Datacenter administration. Composed of multiple micro-services: Web Server (SPA), Job Server, Setup, and Orchestrator – they communicate with one another through a messaging infrastructure based on Redis.

Technologies: ServiceStack/ASP.NET Core 3.1, Mono, Angular 11+, Kephass Framework, Kendo UI, Bootstrap, Redis, PostgreSQL, IdentityServer.

Soloplan GmbH

Timeslot Management

2016

Microservice belonging to the CarLo exCHANGE ecosystem managing the timeslots for ramps. Similar to exCHANGE, it is made available on the Microsoft Azure cloud infrastructure. In order to integrate both applications, a single sign-on server was implemented, based on the IdentityServer 3 framework.

Technologies: ASP.NET MVC 5, Windows Azure, Bootstrap, Breeze, Knockout, Durandal, MongoDB, Kephass Framework, Kendo UI, jQuery, MEF.



CarLo exCHANGE

2013 - 2016

Localizable web application in form of a communication portal for the CarLo desktop application. It is made available on the Microsoft Azure cloud infrastructure and is built using state-of-the-art technologies.

Technologies: ASP.NET MVC 5, Windows Azure, Bootstrap, Breeze, Knockout, Durandal, MongoDB, Kephass Framework, Kendo UI, jQuery, MEF.

Intercom GmbH

Recruiting Online

2013

Online platform for recruiting at the regional school boards in Austria. With this, the (prospective) teachers can apply for the advertised positions and track the status of the applications. The complexity of the project is due to its integration with other Intercom applications: ISIS, School Guide, Visual Desktop and GetYourTeacher, partly via WCF communication.

Technologies: ASP.NET MVC 4, WCF, Kendo UI, NHibernate, Google Maps API

School Guide V2

2012

The application is intended as a means to make school administration transparent.

Technologies: ASP.NET MVC 4, WCF, Kendo UI, NHibernate, Google Maps API

ISIS - Intercom Security Identity

2012

Foundation for all authenticated access within the Intercom application ecosystem. The user login can take place via several protocols: user / password, Windows login, mobile phone authentication. Other features: WIF and OpenAuth support, Single Sign On (SSO).

Technologies: ASP.NET MVC 3, WCF, Telerik, Windows Identity Foundation.

Pre-academic Works

2012

This application is a web application managing the pre-academic work in schools integrated in the school's public portal.

Technologies: ASP.NET MVC 3, WCF, Telerik, Windows Identity Foundation.

School Guide and Phone Book for

2012

Both applications are intended as a means of making school administration transparent.

Technologies: ASP.NET MVC 3, WCF, Kendo UI.

gibGREINER GmbH

GRANID 6.0/Import Export Modul

2010 - 2012

Migration of the Import Export Module from Visual Basic 6.0 to .NET 3.0 and C#. The import and export tasks are implemented asynchronously using an MSMQ infrastructure.

Technologies: .NET 3.0, WCF, Microsoft Message Queue, Windows Forms, ComponentOne, SQL Server.

PROJECTS



gibGREINER GmbH

GRANID

2007-2010

Migration of Visual Basic 6.0 legacy code to C# and .NET Framework 3.0.

Technologies: C#, .NET Framework 3.0, WCF, Windows Forms, ComponentOne, Data Dynamics, Oracle 8i+, SQL Server.

GRANID Framework

2000-2007

Architect and product manager for GRANID Framework, the infrastructure for GRANID, a solution for project management in the investment area.

Technologies: Visual Basic 6.0, Visual C++, MSMQ, Oracle 8i+, SQL Server, ComponentOne.

Transart SRL

NEOManager

1998 - 2000

Implementation of the Accounting and Wages modules. Designed and implemented a report generation component.

Technologies: Microsoft Access 2.0, SQL Server.