#### **CURRICULUM VITAE**

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## **Technologies Overview**

More than 20 years using .NET, C# (since it was created)

- More than 10 years using AngularJS, Angular 2-18, TypeScript, NgRx and Redux
- 5 years (90s decade) using old Visual Basic and C++
- 3 years using Python, ChatGPT and AI REST integrations
- Pair programming and development efficiency with AI tools including CursorAI and Github Copilot
- Frontend automated testing using Jest, Cypress
- Bootstrap, PrimeNG, Tailwind, DevExpress, AgGrid
- ASP.NET MVC, REST, WCF, OAuth, JWT, Azure functions
- NodeJS with Express, NestJS
- MongoDB, PostgreSQL, Oracle, SQL Server, MySQL
- ORMs with Entity Framework, NHibernate, ORM Lite
- Docker, Git and Azure
- Agile, Scrum, Xtreme Programming
- Finance API integrations with Paypal and Stripe
- Dependency Injection, Clean code, TDD, Service Repository, Solid, DDD, CQRS, Microservices

## **Professional Experience**

#### Freelance (December 2018 – Currently)

Senior full stack developer in Shipping management systems

- Saint Gobain, shipping management system for Placo and other companies within the group, using Angular, SQL Server, Bootstrap, .NET Core WebAPI, Azure Functions, Cypress and Nunit for automated tests, ChatGPT integration for AI optimized maritime route and analysis
- Axpo, finance/energy systems with heavy usage (+10k users) with microservice architecture and Excel plugins written in Office SDK, Application Insights, Azure functions, SQL Server, ChatGPT integration, .NET Core and Angular
- BASF, internal management system for chemical plants, integration with SAP and other systems.
   Dynamic model application for +800 users, using .NET Core WebAPI, Angular, MongoDB and PostgreSQL, AgGrid, PrimeNG, Microservices, Docker/k8s, Azure service bus and DevOps, Python.
   Cypress (front) and Nunit (back) for automated tests
- Kidekom, e-learning and games, using Javascript, .NET Core, SQL Server, Angular and Bootstrap
- **Luxinmo**, real estate management internal system and public frontend, using .NET Core, Angular and MongoDB, integration with Azure service bus and Azure functions
- European Union Research, working in multiple projects covering areas like business management, BPM, healthcare, social relationship and industry 2.0. Using technologies like Angular, NgRx, PrimeNG, MongoDB, PostgreSQL, Python, Docker/k8s, .NET Core. Custom graphical BPM modeler written in Angular and .NET Core/NodeJS/PostgreSQL
- **Entelgy-Ibai, Randstad**, internal management system, AngularJS to Angular migration, Bootstrap, unit testing with Jest, backend with NodeJS, Nest, Express, MongoDB
- **iKrut**, complete recruitment system and management for +200 users, using Auth0, Angular, .NET Framework and SQL Server. Microservice architecture and CQRS/Mediatr patterns

## <u>Analyst programmer – Technical Advisor</u>

- Development of internal logistics application, using .NET Core and ASP, MVC, WebApi, REST Services, ¡Query, Bootstrap, AngularJS, Oracle
- Writing and maintaining logistics, quality control, production support and many other internal applications.
- Technology Advisor and Evangelist, teaching AngularJS / Angular, Typescript, jQuery and .NET technologies for an audience of +40 developers in multiple countries
- Custom database management library written in C++ used in different critical applications.
- Security authentication mechanism using Windows authentication, ADFS, OAuth

# Alfa Ingenieria de Sistemas (April 2008 - September 2010)

### Analyst programmer

- Analysis and development of real time application monitoring for sun energy collection devices, using WCF, Web Services, .NET and MySQL, handling more than 150 million of records, collecting and analyzing data in real time from multiple distant areas
- Engineered a local management system, with more than 20 concurrent users, including CRM, sales, billing and financials, using .NET and SQL Server
- Development of custom risk assessment tool for external customer, being used actually globally in the public sector of my local province, using PHP, MySQL
- Development of custom analytics tool with real time graphics for external customer, using WPF and Silverlight
- Analysis, performance improvement and technical advisor of different external customer databases running SQL Server and MySQL

#### Promociones Industriales Mafort (April 2001 - April 2008)

## <u>Analyst programmer – Systems administrator</u>

- Engineered and developed a local ERP system to streamline management of employees, financials, CRM, SRM, and logistics for 100 concurrent users; enhanced operational efficiency in the industrial estate area using .NET
- Analysis and development of local sales system, to manage sales department, customer care, sales, marketing and financials, related to the private estate area of the company
- Web development of main portal
- Web development of private estate portal
- Systems management of Windows Servers, Active Directory, Domain controllers, IIS, Resilient links, MS Exchange, ISA Server, RAID, Database administrator
- Development of custom MySQL unmanaged lib in .NET to improve performance

# Aceval Informatica - (July 1998 - April 2001)

### Analyst programmer

- Manage W2K Servers and MS Exchange
- Develop real estate application with 50 users, using PHP and MySQL
- Develop real time application for device monitoring using Visual Basic 6 and MySQL

### **Languages**

Spanish (mother tongue)
Fluent English written and spoken, C1 level

# **Acknowledgments**

Top 10% world's most advanced C# developers (by odesk.com)

Top 10% world's most advanced jQuery developers (by odesk.com)