I'm a Software Engineer passionate about my job. My two premises: get the job done and deliver good quality software. I have 10 years experience in Web Development and I have worked in several countries for companies belonging to different sectors. I'm currently focused on building highly scalable and higly resilient distributed systems following Event-Driven Microservice Architecture. My preferred tech-stack is .NET Core, Angular, React, Docker and Kubernetes.

EXPERIENCE

Detego
Mar 2019 to Present

Senior Full-Stack Developer

Playing the role of Solution Architect/Lead Developer for the development of Detego's revolutionary 'Smart Display' solution to be delivered to hundred of stores worldwide from importart clients such as Adidas.
Main activities involve taking critical design decisions, providing advanced technical solutions & patterns, architecturing the solution, working out on ways to facilitate external API integration, as well as the duties of a Full-Stack Developer which include writting the Back-end code, writting the Front-end code, writing automatic Unit, Integration and E2E tests, building a CI/CD pipeline for fast delivery of high quality code, writing deployment scripts for a fully automated release pipelines, etc.
Technologies: .NET Core 3.1 Angular 7 ML.NET RFID Motion detector

Ivanti
Oct 2017 to Feb 2019

Full-stack Developer

I initially got onboard the UNO project. UNO is a cloud platform build on top of Azure which provides unified IT services such as
Device Discovery, Security, Help Desk, Automated Software Delivery, etc.
My job was to develop an Azure Service Fabric microservice
application. It consisted of a RESTful Web API which was responsible for managing Users within Tenants. On the client side, we extended the UNO Angular webclient by developing a Users module which took advantage of the mentioned API to visualize all the information related to Users (Permissions, Roles and more general CRUD).
Architectural Styles: Service-oriented architecture, Event-driven arquitecture, DDD, CQRS.
Technologies:
Azure Service Fabric, WebAPI, Angular 2
Moving forward to the next project I was involved, in this case as a Full Stack Developer and Tech Lead, our team took ownership of License Optimizer. To anticipate an inminent increment of onboarding clients, our mission was to enhance License Optimizer so we could quickly scale out in response to high demands.
Since most of the workload was in the database, we undertook a major database

refactoring, reducing tight coupling between DBs. This enabled us to replicate our globally shared databases and to locate our Tenant databases in different servers using a Sharding mechanisim. Next, we moved from having a single datacenter to mutiple ones, by adding a second layer of Replication.

Finally, our team had an important role to play in putting all the pieces together to achieve trunk-based development (short-lived feature branches, automated CI-style builds, 100% automated and frequent deployments). As part of this effort we provided our organization with the tools to watch and monitor the status of our deployments (Health Checks).

Technologies:

SQL Replication, SQL Server, Elastic Database Tools, Microsoft Azure VMs, Azure DevOps, Angular 6

TOKIOTA   *Oct 2014 to Sep 2017*
.NET Developer

Over the course of these three years, some of my main tasks have been:
Participating in Refinement Planning meetings. Giving estimates, clarifying doubts, understanding the needs of the business, and proposing better approaches if a feature exceeded costs.

Architectural tasks Anticipating issues and producing more accurate estimates by running technical analysis prior-to and after planning meetings. Carrying out Spike User Stories or any kind of Proof of Concept which could help develop high performant solutions.

Development tasks Full Stack development. I was involved in pretty much every step of our software development life-cycle. Designing mock-ups, UI/HTML Prototyping; coding in client side with JavaScript and the DOJO Framework. As a JavaScript developer, I was used to develop in an object-oriented fashion, re-using as much as code as possible and following event-oriented patterns, so our components were loosely coupled. We provided a fast-interactive experience with SignalR.

None of this would be possible without a back-end infrastructure in place. SPM is part of an ecosystem of several Services (each one of them being normally a WebAPI and Windows Service). Each service has its own domain and responsibility. To ensure high-scale and high-availability these services are connected by a Service Bus. As a back-end developer, I was in charge of creating new services or extending the existing ones as well as bug-fixing. Most of the time I was coding Application/Domain Services, Data Storing/Retrieval from Oracle, Mongo or Web Services. Due to the distributed nature of SPM, most of our code was asynchronous. We were encouraged to use the SOLID principles of SW design and we adopted most common SW patterns for clean/elegant code. I was working in an Agile/Scrum environment.

Methodologies: DDD, TDD, BDD, CI, CD

Technologies:

.NET 4.6.2, MVC, WebAPI, JavaScript, Grunt, Babel, Unity, NHibernate, MongoDB, Dapper.Net, RabbitMQ, NServiceBus, SignalR, RhinoMocks.

Altran España

Sep 2012 to Oct 2014

.NET Developer

During my time in Altran, I had the chance to work for several key clients.
It is noteworthy GroupM's international ForecastTool project in which I worked as Front-end developer in a team of senior developers and architects. I was responsible for the UI look and behavior and giving support for back-end tasks when needed. The tool was an online RIA to make financial forecasts on how much money clients were expecting to invest on the different medias (TV, radio, Internet, etc). The application looked like pretty much like Excel, with editable cells, formulas and real-time calculations performed client-side.
Methodologies: DDD
Technologies: ASP .NET MVC, Entity Framework, KnockoutJS, Message-bus (MSQM)
Another project worth mentioning is Sunweb's complete look & feel renewal which successfully delivered a more beautiful, delightful and intuitive user experience. Being a member of a highly skilled and long experienced team of senior .NET consultants, I collaborated by migrating Sunweb's main site and other of their satellite vacation sale websites to a mobile-friendly and more responsive version. We implemented most of their pages from scratch and we were able to provide more customized results for the user.
Technologies: ASP .NET, AngularJS, jQuery, Oracle

Aureka Internet S.L.

2011 to 2012

Web Developer

Build new software. Correct bugs in the existing software. Support on the production software. Analysis and design in close collaboration with business people.

EDUCATION

Universitat Politècnica de València (UPV)

2007 to 2012

Technical Engineering in Computer Systems

SKILLS

.NET Core, Angular, JavaScript, Design Patterns, .NET Framework, React.js, Docker, Microsoft Azure, Microsoft SQL Server, ASP.NET MVC, jQuery, Microservices, Domain-Driven Design (DDD), Azure Service Fabric, Kubernetes, React Native, CQRS, Event Sourcing, SOLID Principles

PROJECTS

SPM

Jan 2015 to Aug 2017

Active core member of a Senior Development Team and Front-End Specialist over SPM's 1.2 to 1.13 releases.

Milestone Calculation

Jun 2015 to Sep 2015

Automatically create timetable proposals and milestones. Automatic paydate

calculation for monthly, weekly and forthnightly payrolls.
- ASP.NET Web API 2 - Integration with WCF services - OO Design Principles, Aspect oriented programming - TFS, Automated Testing and Continuous Integration

Test Manager implantation in SPM
Oct 2015 to Nov 2015

Showing how Test Manager can improve test cases management and how to deploy an application into a lab environment and run tests in test machines.

ForecastTool
Sep 2012 to Jun 2013

An online tool to make financial forecasts on how much money will clients invest on the different medias (radio, TV, internet, etc).

Sunweb complete look & feel modernizing
Jun 2013 to Oct 2014

Sunweb's complete look & feel renewal for all their partner network.

FlightCATcher
Oct 2016 to Jun 2017

FlightCATcher is an online flight search utility which allows users to find the cheapest matching destination for two origins on a given date/time. It provides a search form, resuls listing and a details page with information about intineraries and the possibilty to easily visualize all the information, change itinerary or even book tickets.

UNO
Oct 2017 to Dec 2017

Create and add features to the Users Service belonging to UNO Platform.

License Optimizer
Jan 2018 to Feb 2019

Smart Display (Smart Fitting Room)
Mar 2019 to Present

The best of RFID technology, hardware and software get combined to create an interactive display that
greatly improves users' shopping experience.
Check out Detego's Smart Display official launch at Adidas' flagship store in London:
https://www.linkedin.com/pulse/store-year-2019-adidas-ldn-flagship-tiffany-lung/

LANGUAGES

Spanish (Native or bilingual proficiency), **English** (Full professional proficiency), **Catalan** (Elementary proficiency)

CERTIFICATIONS

Programming in HTML5 with JavaScript and CSS3
Apr 2015

Microsoft

Developing ASP.NET MVC Web Applications
May 2015

Microsoft

Developing Microsoft Azure and Web Services   *May 2015*

Microsoft

MCSA: Web Applications   *Sep 2016*

Microsoft

MCSD: App Builder — Certified 2016   *Sep 2016*

Microsoft