

CURRICULUM REPORT

RESUME

Since 1999 working in the administration and implementation of systems. Beginning my work experience at PriceWaterhouseCoopers Consulting (PwC), later IBM, participating in projects for companies such as Vía Digital, Xfera (Yoigo), Caja Madrid and Retevisión. Being able to implement the first Call Center that allowed the purchase of digital content through mobile phones and the first multi-device portal in Europe.

In 2002 I had the opportunity to form a team with former colleagues from PwC to continue implementing technological projects such as the Education portal of the Rioja Regional Ministry and the portal of the University of La Rioja, of which I was the sole developer and administrator and to this day, 20 years later, is still valid without any changes. I became part of the Computer System of the University of La Rioja and later I continued as a consultant for projects in the Basque Administration and the BBK.

In 2006 I joined Aciturri Aeronática, where I have been in continuous evolution for 14 years, from a hundred employees that year to 3,000 today, counting on the acquisition of Alestis. Implementing SAP in the different plants, guaranteeing performance and service. Developing technological tools that have increased production capacity and reduced costs. Going from having our own infrastructure to a hybrid environment, with the main and most critical services in the Cloud.

In 2020 I started at CCASA (Centro de Cálculo de Álava) as a Systems Analyst, managing Liferay and its more than 40 sites, araba.eus and the launch of jiggalava.eus portal. In addition to participating in other projects managing application servers, monitoring systems, deploying between environments and providing technical advice to different entities such as laboratories, firefighters and municipalities.

Education

- University Studies (Doctor) in Electronic Technologies, University of La Rioja, Complutense University of Madrid (2003-2009)
- Senior Computer Engineer, Comillas Pontifical University in Madrid (ICAI) (Sep. 97-99).
- Technical Engineer in Computer Management, Pontifical University of Salamanca. (Sep. 93-96).

Experience

[09/2020] – [Today]

[Systems Analyst] | [AKG-CCASA (Arabako Kalkulu Gunea - Álava Computing Center)]

Within my functions as an analyst at CCASA, I manage more than 40 sites with the Liferay content manager, and I participate in the launch of the website jiggalava.eus and the updating and launching of new sites in araba.eus. Reaching more than 30,000 users a day and 250,000 daily sessions, some of the websites can be seen in this video [link](#).

Allowing to internalize the management of portals, controlled by CCASA instead of by external companies. Mitigating technological risks due to obsolescence, many websites were very old and vulnerable to cyberattacks.

Normalizing and giving uniformity in the management of sites, with a mixed management in which the contents are delegated to end users without technical knowledge.

Monitoring the performance of the servers with Dynatrace, detecting and solving vulnerabilities, inefficient code, service stops and inadequate performance. Defining alerts for corrective measures, upon detecting system degradation, launching corrective tasks instantly.

Deploying new features and steps between environments, both in JBoss application servers such as Wildfly and Tomcat.

Providing technical advice on projects such as the implementation of a single platform that houses the websites of the Álava City Councils. Defining the technological environment with Windows Server, Liferay and SQL Server database, defining the architecture of instances and sites that appears in the technical specifications.

Configuring the CKAN open data platform, for open government initiatives and open data, bringing the culture of open data closer to citizens, companies and all types of organizations. Covering the development of services to offer the data and facilitate its reuse in a simple way. installedBased on Linux Ubuntu as the operating system, this architecture allows the consumption of data sets from CKAN, which maintains information about the data sets that are offered to users in PostgreSQL databases. Searches are implemented by Solr.

Participating in the project to update the IVR, an interactive telephone service system with a series of options and menus, which allow carrying out procedures made available to the citizen automatically and 24x7.

It incorporates Automatic Voice Recognition, keyboard, and Text To Speech to interact and exchange data with the caller. Currently dedicated to Finance and Income. Expandable to multiple and diverse DFA areas: Udalekus, Agriculture, CAU, IFBS...Installation of operating systems and all the software necessary for its execution. Testing and validation of flows in

different environments. More than 120,000 calls and 932 calls/hour on key rental days, 45,000 procedures carried out entirely in IVR.

Administering GIS (Geographic Information Systems) servers, for the management, editing, and visualization of data linked to a spatial reference, which can be presented on a map, facilitating business aspects (economic, social, environmental, etc.) and disseminate information more effectively. Examples: Winter road conditions, Viticultural Registry, Urban Planning. With periods of critical availability, 24x7 active service, with images in real time, guaranteeing fluidity and speed of response. Infrastructure renovation project. Configuring servers with high capacity, high availability, disk speed and the latest and most robust software versions. All managed products are in continuous evolution that require constant deployments between environments.

Exploitation and administration of the Remedy application for the management of incidents, CAU requests and problems. Managing Help-Desk users, consultants and technicians, which is the main interface of CCASA with the users of the Diputación de Álava.

I am also in charge of the administration and updating of the DevOps ecosystem, made up of Maven, BitBucket, Nexus, SonarQube, Jenkins, Jira and Confluence, with 600 projects in which compilation tasks and code analysis are launched daily, detecting thousands of bugs and vulnerabilities. These tools are for internal use between CCASA and its subcontracted companies. Its objective is to speed up the software development life cycle and ensure that the software has high quality in its successive versions. Validating changes in a much easier and faster way. DevOps speeds up the steps between developing a product and putting it into production. Before, the software provider returned the almost finished product and it was very difficult to exchange it. Now with continuous and incremental deliveries progress is seen progressively, related to Scrum, validating small functionalities in an easy way. If there is a problem it is very easy to go back to a previous version. With automatic deployments that save a lot of time and give autonomy to the development department. It is composed of many plugins to maintain and update, it is a very critical environment, if it fails it stops development, the life cycle of tests, incidents and version control.

And I participate in other projects for the wine laboratory, the general laboratory and the fire stations. Managing your deployments and administering your application servers, in Windows Server and JBoss environments as application servers.

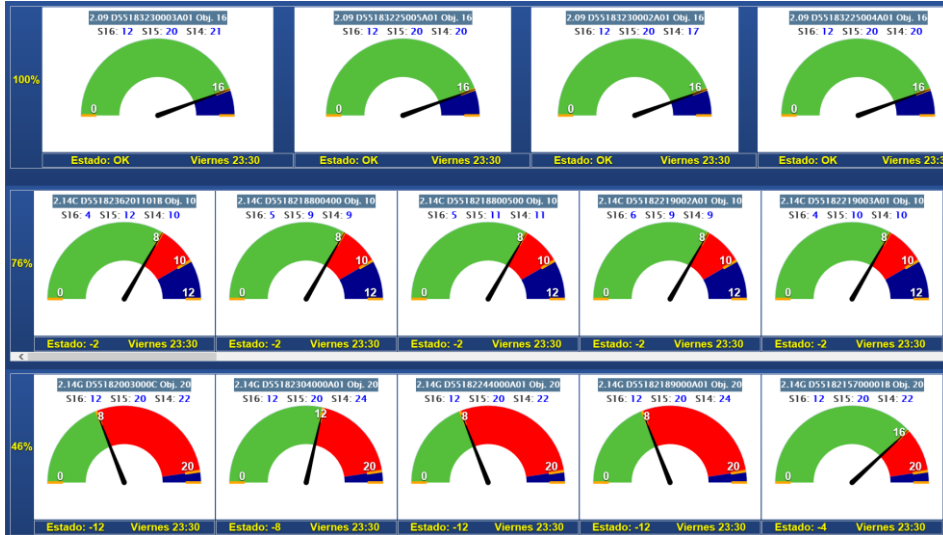
[12/2006] – [09/2020]

[Software Engineer] | [aciturri]

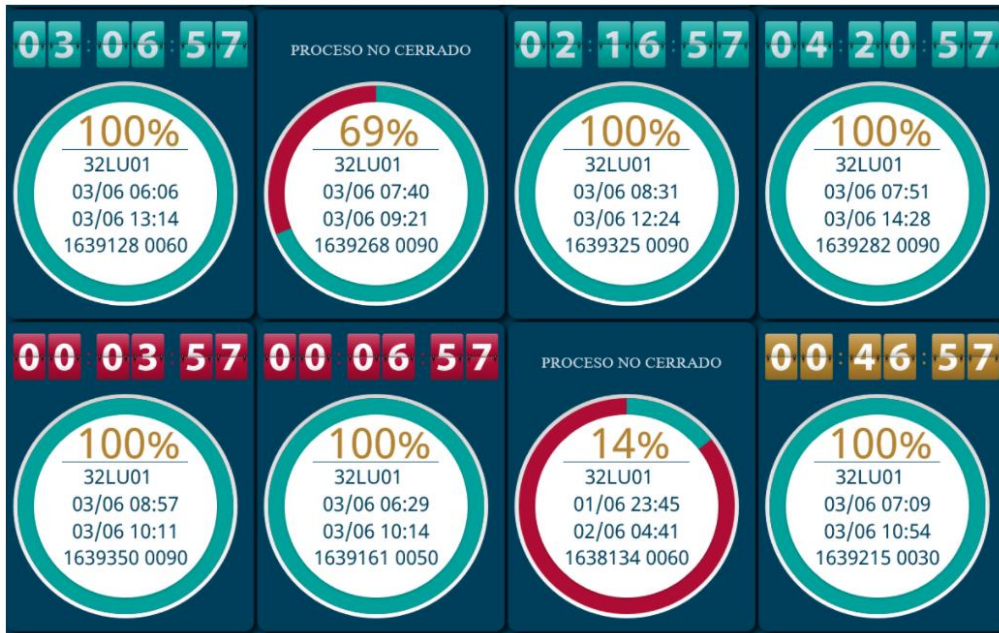
Implementing SAP in the different headquarters of the group, 10 roll-outs with more than a thousand users, managing the change in people who had been working with other custom-made software for more than 30 years. Taking the requirements, parameterization of the new system, migrating data from different sources and formats to the corporate database in SQL Server. Developing new functionalities and training end users.

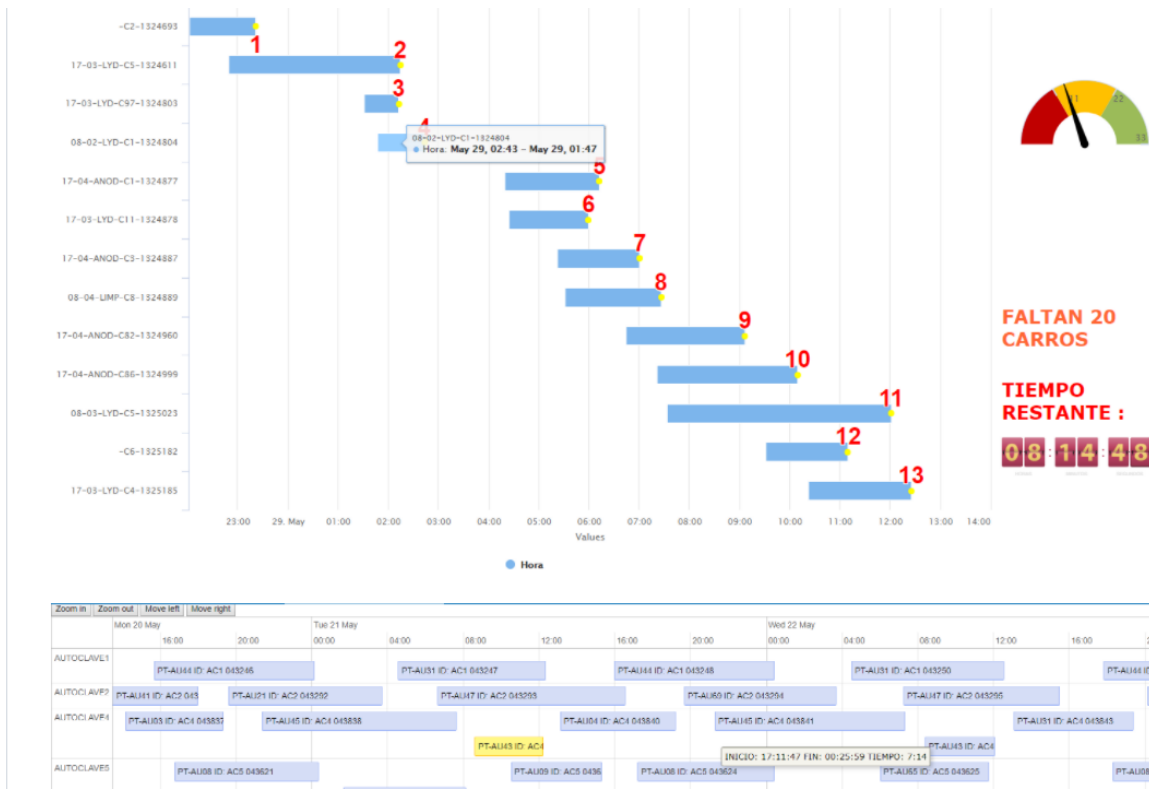
In addition to the ERP, the Mapex MES (Manufacturing Execution System) was also implemented in all the plants to give uniformity to the data capture in the plant.

Elaborating [dashboards](#) and [indicators](#) with SAP BI / BO, to obtain indicators in real time, combining data from automata, SAP and MES.



IoT and Big Data related KPIs and apps displayed on my [GitHub profile](#).





Defining a system [planning](#) in Gantt format, applied to all plants, ensuring deliveries, developed in JavaScript and capturing SAP data.

ID	Task	OP	Material	Status	Aviso	Puesto	TM	Num	Program	Resource	Start	Customer	Dur	C	Real end	Delay
8	3116733	4500	32K0716	JAU1.M00...	ZC ME...	610005		24	PW814-HUB	VERIFICACI#N EN PRO...	13/09/2018	07/08/2018	0 days	100...	28/05/2019	294 days del...
9	3216084	4600	32K0716	M002		610100	90	NaN	PW814-HUB	FLUSHING	03/12/2018	08/08/2018	0 days	100...	28/05/2019	293 days del...
11	3029746	4900	32K0716	M002 REP...	ZC ME...	610007	0	11	PW814-HUB	VERIFICAR Y CIERRE D...	25/06/2018	05/09/2018	73 days	100...	29/05/2019	266 days del...
14	3261827	4500	32K0716	IPAP M002...	ZC ME...	610005	5	31	PW814-HUB	VERIFICACI#N EN PRO...	22/01/2019	26/09/2018	0 days	99%	29/05/2019	245 days del...
10	3017850	4600	32K0716	JAU1.M00...	Z3 ME...	610005		8	PW814-HUB	VERIFICACI#N EN PRO...	15/06/2018	22/08/2018	69 days	100...	30/05/2019	281 days del...
12	3123225	4410	32K0716	M002 REP...	ZC ME...	610005	120	25	PW814-HUB	RE.1 VERIFICACI#N DE...	19/09/2018	19/09/2018	1 days	100...	30/05/2019	253 days del...
13	3039630	4240	32K0716	M002 REC...	Z3 ME...	610005	150	13	PW814-HUB	R4.4 VERIFICACION RE...	03/07/2018	26/09/2018	86 days	99%	30/05/2019	246 days del...
15	3066063	4300	32K0716	M002 REP...	ZC ME...	610008	3000	19	PW814-HUB	ASIGNACI#N MATERIA...	24/07/2018	03/10/2018	72 days	99%	30/05/2019	239 days del...
168	3339472	1700	362-029-125-0	JAU1.M00...	Z3 ME...	610008	7	553	LEAP1-FHF	(FROZEN) MARCADO	25/03/2019	27/05/2019	64 days	97%	30/05/2019	3 days delay
350	3107814	475	KH18913	M002 REP...	Z3 ME...	610010	45	118	T1000/7000	RE.2 CTROL CALIDAD	05/09/2018	29/08/2019	359 days	100...	30/05/2019	
82	3325556	5200	362-037-320-0	M002		610101	30	870	LEAP1A-SP5	(FROZEN) SUPERLIMPL...	14/03/2019	03/05/2019	51 days	97%	31/05/2019	28 days delay
81	3160969	5137	362-037-320-0	M002 REC...	ZC ME...	610005	1	665	LEAP1A-SP5	REPI.6 VERIFICACI#N...	19/10/2018	03/05/2019	197 days	99%	31/05/2019	28 days delay
352	3215328	445	KH18913	M002 SHN...	ZC ME...	610008	45	184	T1000/7000	MONTAJE1	03/12/2018	30/08/2019	271 days	99%	31/05/2019	
363	3200474	480	KH18913	IPAP M002...	ZI MEA...	610006	190	170	T1000/7000	VERIFICACI#N FINAL	22/11/2018	03/09/2019	286 days	100...	31/05/2019	

Development of the work sequencing model for the chemical treatment of aeronautical parts using mixed integer linear mathematical models (MILP) for the [optimal sequence](#) in production (GAMS and Gurobi), **which increased production capacity by 60%**.

<https://gestat.io/optimalsequence.pptx>

Installation, programming and maintenance of Siemens, Omron and Panasonic PLCs. Development of a web application that allows solar trackers to be moved by wind alarms.

Development of cutting and nesting applications. Calculation of the optimal plate, from among more than 45,000 options, so as not to generate scraps and obtaining great material savings.

3. Sheet ABS5323A180-02

Current measures: 1950 x 670 Waste: **13,2%** Qty month: **30** Qty Total: 54 months * 30 = 1.620

Optimal measures: 1950 x **690** Waste: **6,3%** Qty month: **27** Qty Total: 1.458 Price Sheet: 4.402 **Saving = 713.124€**

The screenshot shows the 'Cutting Optimization pro' interface. The 'DEMANDA' table lists various part specifications. The 'STOCK' table shows the optimal solution. A dialog box 'Encontrar el tamaño óptimo para el stock de piezas' displays the optimization parameters and results.

Longitud	Ancho	Cantidad	Material	Rotación	Etiqueta
1925	665	10			V5358008020401B
430	340	10			V5358012120201A
430	340	10			V5358012120301A
1943	632	10			V5358013020601A
450	332	2			V5358512120001A
450	332	2			V5358512120101A
1905	665	2			V5358508020001A
1910	635	2			V5358513020201A

Longitud	Ancho	Cantidad	Utilización de la demanda %	Retal	Retal %
1950	690	27	100	2288924	6.3

6. Placa ABS5323A160-02

Medidas Actuales: 2065 x 1321 Retal: **19,2%** Qty mes: 5 Qty Total: 54 meses * 5 = 270 Precio Placa: 1.308

Medidas Óptimas: 1940 x 1210 Retal: **6,3%** Qty mes: 4 Ahorro retal: 147.000€

The screenshot shows the 'Cutting Optimization pro' interface for a different sheet. The 'DEMANDA' table lists various part specifications. The 'STOCK' table shows the optimal solution. A dialog box 'Encontrar el tamaño óptimo para el stock de piezas' displays the optimization parameters and results.

Longitud	Ancho	Cantidad	Material	Rotación	Etiqueta
390	220	2			L53383578206
390	220	2			L53383578207
385	405	2			L55282501202
385	405	2			L55282501203
385	405	2			L55282521202
385	405	2			L55282521203
515	435	2			L55482561202-BE
1935	375	7			V5358069020401B
1938	385	2			V5358569020001B

Longitud	Ancho	Cantidad	Utilización de la demanda %	Retal	Retal %
1940	1210	4	100	596068	6.348
1950	1210	4	100	642792	6.81
1970	1200	4	100	659309	6.972
1940	1220	4	100	676050	7.14
1960	1210	4	100	691144	7.285
1980	1200	4	100	705735	7.425
1950	1220	4	100	717468	7.539

MATERIAS PRIMAS 39

	2016	2017	2018
Consumo de materiales			
ALUMINIO ³⁹ (m ²)	19.123	15.115	8.900

[Reference](#) pg.84

Incident Management through ServiceDesk according to ITIL patterns, PCS network administration and server virtualization with VMware. Creation of a knowledge database to resolve doubts, with solutions to the most common incidents. Scrum methodology for project management, with daily meetings and biweekly deliveries.

Projects with RPA (Process Automation Robots), UiPath and *rocketbot*, are process automation software that is installed on a computer and runs processes (also called bots or scripts) that are intended to replace the actions that human beings do manually. If people can do it, the robot will do it too. In this [video](#) you can see one of the projects developed.

Design of a coexistence solution between the Aciturri infrastructure and the Cloud, so that the migration of the systems meant a minimum stoppage during the migration of each environment. Configuration and deployment of a coexistence solution, and test migrations from different environments to validate downtime and performance effects. Progressive migrations of the different systems.

Migration from SAP ERP to HANA, creating virtual machines, installing the operating system for SAP ERP and SAP Java systems. Installation of HANA in the Production and Test of virtual machines. Installation of JAVA systems for Test and Production environments. Export and migration from SAP ERP to HANA. Migration of the Content Server virtual machine. Testing and final adjustments. Installation and configuration of backup agents (file server and databases) and monitoring (both at the system and database level, as well as specific to SAP).

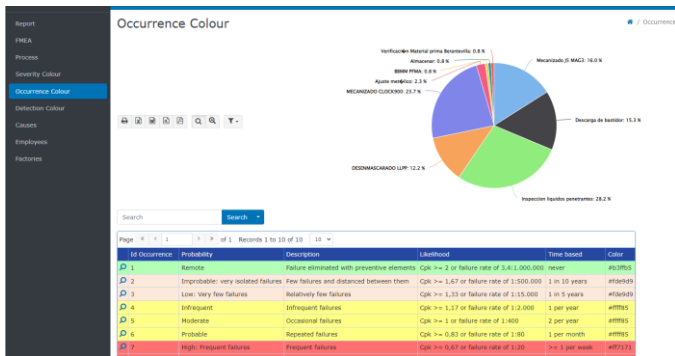
Updating of SAP BW and BO systems, Creation of virtual machines and installation of the OS, applying specific system configurations. SQL Server installation. BW Components Update: ST-PI, ST-A/PI, and SAP Support Backbone Notes.

Implementation of the SuccessFactors Talent Management platform, with the SuccessFactors Performance&Goals and Jam Recruiting Management modules. Management of vacancies and candidates for the solution in the recruitment of candidates. In addition, it is integrated with the payroll system, A3Nom, for the synchronization of employee master data and access will be done via Single Sign On with the integration with Active Directory.

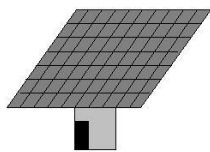
Installation and maintenance, in more than a dozen automated centres [jFMX](#), on Linux operating system, with Tomcat application server and MongoDB database.

development of the [app](#) for failure mode and effects analysis (FMEA), is a methodology that is based on dissecting the design of a "future product" down to the component or part level and studying the failures that could occur and the causes-effects derived from the mode of failure. predicted failures.

Development of a [system](#) which consists of the deployment of a computer tool that allows the digitization of the 5s audit process, automating and standardizing the process of preparing these reviews, as well as the registration, assignment and monitoring of the resulting improvement actions.



I develop an application to control solar trackers via the Web. Manage alarms in real time and be able to change the position of each follower based on these alarms



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POSICIÓN REAL DEL SEGUIDOR:

- CENITAL: 8.6
- AZIMUTAL: -60.2

Lectura del PLC

- SEGUIMIENTO AUTOMÁTICO
- POSICIÓN VIENTO
- POSICIÓN NOCHE

Escritura del PLC

ON	OFF
ON	OFF
ON	OFF

- ESTADO BIT MATINAL

RESET

ESTADO:

KO

- PLC Apagado
- F.C azimutal Este pisado
- F.C azimutal Oeste pisado
- F.C cenital Horizontal pisado
- F.C cenital Vertical pisado
- Error durante movimiento azimutal
- Error durante movimiento cenital
- Fallo de estación en red PLC-Link

[01/2006] – [12/2006]

[Project Manager] | [Altia]

Development of the BBK Portal bbk.es Implementation of the Fatwire Content Server content manager for the development of the external portal. Management of the Altia team that participated in the project with the Euskadi IT portal department. Analysis and design of the new BBK portal. On Windows Server operating system, WebSphere application server, Oracle database and Fatwire Content Server 6.3 content manager.

Implementation of the Fatwire Content Server content manager for the Kutxa corporate intranet. Analysis and development of the portal structure, main page, news management and newsletter management and faqs management. Personalization and configuration of the content manager. The technical environment of the project was Windows Server, IIS web server, MS SQL Server database, Tomcat application server and Fatwire Content Server 6.2.

Analysis and development of the portal deusto.es using FatWire Content Server with the possibility of customization based on user segmentation (current students, future students, centre counselors, companies, institutions, researchers, parents)

Feasibility study for the management of the IVAP (Basque Institute of Public Administration) selection processes. Applying the Métrica3 methodology. Use cases, flowcharts of the different alternatives and design of a prototype.

Development of the Single Window of the Arrasate City Council. Implementing a tool for citizen service and paperwork management. Management of citizen inquiries and assignment to the corresponding technician. Allowing the control of incidents and response times. On Linux operating system, Apache web server, MySQL database and PHP.

[07/2004] – [01/2006]

[Senior Technician] | [Computer Service of the University of La Rioja]

Sole developer of the frontend of the portal of the University of La Rioja unirioja.es Implemented in 2006, it is still valid and the same as it was that year, it has not needed any update to continue providing service.

Analysis and programming of the news, agenda and search engine applications of the portal. Document manager applications. Indexing and categorization of all the contents of the portal.

Management and development of one of the largest databases of scientific literature in the world dialnet.unirioja.es is a scientific document alert management system with more than 50 million alerts.

Head of the postgraduate management and enrollment platform foundation.unirioja.es

The environment used was a Unix operating system, J2EE, Oracle database (stored procedures and triggers), Oracle Forms, Oracle Developer, Tomcat application server and Apache web server with OpenSSL.

[10/2002] – [01/2006]

[Project Manager] | [Emesa]

Management of the software department and hiring of the people that comprised it. Head of the La Rioja Education Portal www.educarioja.org. Content migration and synchronization with the Department's databases. Design and implementation of the portal administration. Integration of external databases of six-year terms, personnel, scholarships, OPEs, calendars, map of centres, approvals... A customized content manager was developed. Programming of news, forums, chat, surveys, faqs, and bulletin. Integration of external databases.

Development of a project selected by ADER, an interactive SMS tool that allows consultation and updating of databases through SMS. It allows you to consult any database, start processes, place an order, consult the information about clients, call a meeting, and organize an appointment, just by sending an SMS message. Queries are made through any type of database and without the need for knowledge of SQL.

The technological environment was Windows Server, J2EE, MySQL, Tomcat and Apache, Lucene

[12/1999] – [08/2002]

[Consultant] | [PriceWaterhouseCoopers Consulting - IBM]

In the Xfera Multi-Device Portal project, which was a pioneering initiative in Europe in the launch of a mobile portal, I managed and coordinated the team that developed the finance channel and online stock market listing services. Defining Entity Relationship models. Use of Case tools. Identifying the improvements in the software and hardware architecture of the Portal.

Developing a Document Manager for Retevisión. A tool designed to control documents during their life cycle. Analysis of the processes for the creation and updating of documents within a defined flow. Programming EJBs for administration consoles. Responsible for the production process in the Retevisión environment of a tool developed by a team of 10 people. The technical environment used was Unix operating system, J2EE, Oracle database and Bea Weblogic Server application server.

Implementation of the Vía Digital Call Center Analysis and Implementation of customer service processes in the CAU of Vía Digital. Analysis and design of the application to register 800 users through a loading process. Development of interfaces for the integration with Vantive, scripts and triggers of massive load. Implementation of replication and migration to history.

Knowledge of digital television processes such as Vía Digital and the tools to implement them. We went from working with Access to contracting digital content through SMS.

Implementation of database replication and migration to historical data.

With Unix (sh scripts), Sybase database (SQL scripts), Replication Server, Vantive Forms, Vantive Tools, Visual C, and Visual Basic.

List of Projects and Dates

<i>Project's name</i>	<i>Business</i>	<i>Start date</i>	<i>End date</i>	<i>Experience</i>	<i>Months</i>
<i>CALL CENTER IMPLEMENTATION</i>	DIGITALLY / PwC	01/2000	01/2001	Analysis and design of the application to register more than 800 Vantive users,	12

				through a loading process. Development of interfaces in .NET for integration with Vantive.	
<i>MULTI-DEVICE PORTAL FOR WEB, WAP AND PDA ACCESS</i>	XFERA / PwC	01/2001	01/2002	Management and coordination of the team that developed the finance channel, and online stock market listing services in J2EE. Definition of Entity Relationship models. Use of Case tools. Identifying the improvements in the software and hardware architecture of the Portal.	12
<i>DOCUMENT MANAGER</i>	<i>REVISION / PwC</i>	03/2002	07/2002	Analysis of the processes for the creation and updating of documents within a defined flow. EJBs for administration consoles. Responsible for the transition to production in the Retevisión environment.	4
<i>INTERACTIVE SMS TOOL</i>	Emesa / ADER	10/2002	02/2003	Design and implementation of the tool in Java that allows you to consult any database, start processes, place an order, consult the	4

				information about clients, call a meeting, and organize an appointment, just by sending an SMS message. Queries are made through any type of database and without the need for knowledge of SQL.	
<i>EDUCATION PORTAL</i>	Emesa / MINISTRY OF EDUCATIO N OF LA RIOJA	03/200 3	07/200 4	Responsible for the development of the Portal. Design and implementation of the administration of the portal, a customized content manager were developed. Programming of news, forums, chat, surveys, faqs, and bulletin. Integration of external six-year databases.	fifteen
<i>PORTAL OFUNIVERSITYFROMTHE RIOJA</i>	Emesa / UNIVERSIT Y OF LA RIOJA	07/200 4	02/200 6	Responsible for the development of the Portal. Development of the application for online payment of postgraduate courses. Analysis and programming of Dialnet, an alert management system for scientific documents (more	19

				than a million articles).	
<i>DEVELOPMENT OF THE WINDOWONLY</i>	Altia / ARRASATE CITY COUNCIL	02/2006	04/2006	Citizen service tool and paperwork management. Management of citizen inquiries and assignment to the corresponding technician. Incident control and response times.	2
<i>EVS OF AN INTRANET</i>	Altia / IVAP	04/2006	06/2006	Feasibility study for the management of selection processes. Applying the Métrica3 methodology. Use cases, flowcharts of the different alternatives and design of a prototype.	2
BBK PORTAL, KUTXA INTRANET	Altia / BBK	07/2006	11/2006	Management of the Altia team that participated in the project with the IE portals department. Analysis and design of the BBK portal.	4
ACITURRI	ACITURRI	12/2006	09/2020	Execution of ERP and infrastructure implementation and updating projects. Updating of SQL Server software and engines and other products. Administration, monitoring and	170

				<p>maintenance of applications. Scrum, ITIL in incident management.</p>	
<p>AKG - CCASA (Arabako Kalkulu Gunea - Álava Computer Center)</p>	<p>AKG - CCASA (Arabako Kalkulu Gunea - Álava Computer Center)</p>	<p>09/2020</p>	<p>Present</p>	<p>Participation in projects for the Implementation of Information Systems and Consulting.</p> <p>Technical advice and participation in the activities established for Infrastructures in all CCASA projects and feasibility studies.</p> <p>Collaboration in the resolution of doubts and technical problems, both in new projects and in the maintenance of applications.</p> <p>Launch of the Álava General Meetings website: jggalava.eu</p> <p>jggalava.eu</p> <p>Updating and launching of new sites for: araba.eus</p> <p>Troubleshooting.</p> <p>Step between (deployments).</p>	<p>8</p>

