

# Javier Beneito Barquero

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## SOFTWARE ARCHITECT / ENGINEER

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### \$ whoami

I am a Software Architect that designs solutions, mainly Enterprise Applications using Java EE with the help of Spring Framework. I'm also a good Java developer and Software Engineer with a great passion for both coding and learning.

### # PROFESSIONAL HIGHLIGHTS

- Currently working in a migration process to the Cloud from classic Java EE environment, by introducing microservices and using DDD concepts.
- More than 16 years of experience in software development / architecture and system integration.
- Spring specialist. I started in 2006 with the version 1.2.8 and I've worked with all the versions: 2, 2.5, 3, 3.1, 3.2, 4, 4.1 and 4.2.
- Spring portfolio. I know and I've used almost all the projects: Boot, Core (and mvc), Cloud, Data (JPA and Mongo), Integration, Batch, Security, Web Services, and my beloved Roo.
- I worked more than 10 years for the main Spanish Credit card Payment Processor, creating Operative Supporting Web Applications: alert manager, fraud detector, clearing and settlement and disputes information,.
- I usually work with teams of 4-10 people using SCRUM, I also mentor fellow developers on concepts of application architecture and development.

### C:\> Objectives

- I want to join a good team of Software creators in order to develop the best products for the clients, while sharing knowledge and never stop learning.
- I want to learn the very best in order to be able to propose better solutions for the business. Currently I have high interest in microservices, DDD/BDD/TDD, docker, reactive programming, big data, event sourcing/CQRS.
- I want to work for a company that has a clear objective around a good product.

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## PROFESSIONAL EXPERIENCE

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### atSistemas

<http://atsistemas.com>

May 2014 – Present

#### **Software Architect**

Java EE expert and Spring Framework technical referent for defining architectures in projects, pre-sales and applications.

#### Projects

##### ➤ **Viajes El Corte Inglés**

<http://www.viajeselcorteingles.es>

Apr. 2015 - Present

Technical coach for applications that belongs to the electronic file department. The company wants to migrate the provider, from classic Java EE to a Cloud environment. I have to lead this change for the applications of the department.

#### Accomplishments:

- Improve software quality, testing, QA, maven modules, libraries and CI.
- I've updated the versions: libraries, application servers.
- Improve local development with the introduction of local and customized servers and resources: tomcat, WAS 4 developers, ActiveMQ, MongoDB, Oracle XE.
- Introduction of more and better Spring projects. They used Spring 2.5 when I joined the team, now we have Spring 4 plus Spring Batch, Spring Data (JPA, Mongo and REST) and Spring Boot.
- Introduction of DDD concepts, specially, bounded contexts.
- Introduction of microservices.

#### Responsibilities:

- Improve the Software development process.
- Mentor team members, in technologies, methodologies and software architectures.
- Lead the tasks for the migration to the cloud from the existing Java EE platform.

#### Technologies:

IBM WebSphere 8.5, Apache Tomcat 7 and 8, IBM WebSphere Liberty Profile.

Java EE 6, Java 7 and 8

JAX-WS 2.2 (with WAS, Metro, CXF, Spring WS)

JMS 1.1 (ActiveMQ y WebSphereMQ)

Spring Framework 4: core, mvc, boot, batch, data (jpa, mongo, rest), cloud.

Oracle Database 11g Release 2 (11.2.0.3.0), DB2 10, H2

STS 3.7.3, Eclipse Luna, Mars

Maven 3, SVN 1.8, Jenkins

Lots of libraries: Apache commons, Guava, Joda Time, Lombok, SLF4J [...]

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## JUnit 4.12

### SCRUM.

Soon: IAAS provisioning and deployment.

#### ➤ Santander, Verti, Hotelbeds

Feb. 2015 – Mar. 2015

Several pre-sales and technical support.

#### Accomplishments:

The PoC for the Santander was a success.

The support for backend Spring application for Verti was successfully released

#### Responsibilities:

- Technical pre-sales task, PoC for Santander to replace BankSphere with Open Source (Spring)
- Software development and architecture support. Help a team development in Verti to finish a core Spring application for an existing front-end.
- Contents of a course of Java 8 and Spring 4 with Spring Boot for HotelBeds.

#### Technologies:

Spring 4: core (hibernate), Spring Boot.

Hibernate

Java 7, 8.

#### ➤ BBVA

<http://www.bbva.es>

Nov. 2014 – Jan. 2015

Web application for register and tracking request from branch offices.

Execution environment, Google App Engine (GAE)

#### Accomplishments:

- Assimilation and verification of existing software architecture in GAE.
- Creating tests (there weren't any test when I joined the team)
- Programming specific task like Text Search and Task Queues.

#### Responsibilities:

- Help development as senior Java developer for an application that were out of schedule.
- Technical Mentor on the platform to resolve outstanding problems , such as Datastore queries (Java API, Objectify)
- SCRUM methodology with direct collaboration with the customer. Development, deployment and maintenance

#### Technologies:

Google App Engine (GAE)

Angular JS

STS (Eclipse IDE)

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Ubuntu, GIT  
MySQL, Datastore, maven  
.Servlets 2.5, Java 7

➤ **El Corte Inglés**

<http://www.elcorteingles.es>

Sep. 2014 – Oct. 2014

Continuous Integration and Quality Assurance. (CIQA) Portal.

As part of the Enterprise Architecture of El Corte Ingles, the company decided to create a web portal for CIQA. To achieve this, a team of three Software Architects and a front-end developer was formed.

**Accomplishments:**

- Custom module to communicate with Rational Team Concert (RTC) via its API.
- Launch of the project first phase.
- Architecture pattern: CQRS.

**Responsibilities:**

- Software Architecture definition of the project based on existing technologies.
- Development of the module that integrates with the source version control (RTC)

**Technologies:**

IBM WebSphere Application Server 7  
Oracle DB  
Mongo DB  
Spring 4: core, REST, Data JPA, Data Mongo  
Angular JS  
Maven, Jenkins  
Rational Team concert (RTC from IBMJazz platform)

➤ **El Corte Inglés**

<http://www.elcorteingles.es>

May 2014 – Jul. 2014

Enterprise Architecture Definition for the entire development process of the company (pre-sale)

For doing so, a team of three Software Architects was formed. One of them was the existing coordinator in El Corte Ingles who guided the project.

**Accomplishments:**

My first Project as Enterprise Architect.  
Communication: ideas, concepts, problems and solutions.  
Collaboration, in order to applying early and often the proposed ideas.  
Mentoring, in order to clarifying the solution proposed architecture.

### Responsibilities:

Defining IT architecture services El Corte Ingles for later implementation if the project is accepted

Study of the current situation and problems in El Corte Ingles Software to bring a solution to implement.

Offered services framework document based on the pattern of layered architecture for its simplicity and ease of understanding, an alternative to standard Service Oriented Architecture.

[Responsabilidad del puesto]

### Technologies:

Application server (IBM WAS)

BB.DD. (IBM DB2, Oracle Database, Oracle Coherence, MongoDB)

computer appliances (Exalogic, Data Power)

ERP (SAP)

ESB (WebSphere Broker)

Backend HOST

Async I/O (Vert.x, Node.js)

Continuous Integration (IBM Jazz, Jenkins, maven/gradle)

IDE (Rational)

## Indra

<http://www.indracompany.com>

Oct. 2013 – Apr.2014

### *Software Architect*

Technical referent and SCRUM Master for Java EE projects.

### Projects

- **Iberdrola:** recharge system for electric vehicles according OCPP

### Accomplishments:

- Project happily delivered to the customer. We received congratulations for it
- Great success from the point of view of the project management. SCRUM really well done.

### Responsibilities:

- Head of Software Architecture, both the design and implantation
- Leader of development team consisting of 10 people, responsible for the creation, assignment and tracking of tasks, as well as the realization of some of them.
- Coordinator of customer needs, with the goal of ensuring that they are applied in the application.
- Mentor the team, with the main objective of the synergy of the people and trying that each member know more than he or she did when the project started.

### Technologies:

IBM WebSphere 6.1, Apache Tomcat 6.0.35

Java EE 5/6, Java 5/6/7

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JQuery, JSTL 1.2, Servlets 2.5, JAX-WS 2.0, JMS 1.1 (ActiveMQ y WebSphereMQ)  
Java SE 6  
Spring Framework 3: core, mvc, security, roo  
Oracle Database 11g (11.1.0.6.0)  
STS 3.4.0, Eclipse Kepler 4.3.0  
Maven 3, SVN 1.7.6, GIT, Jenkins, SonarQube  
SLF4J/Log4J/Logback/ Commons-logging  
Apache commons, JasperReports, OpenCSV, JodaTime 2.3  
H2, MyBatis  
JUnit 4.11  
SCRUM.

- **Secretaría de Hacienda y Crédito Público, Gobierno de México:** Tax payments system for SHCP (Mexico Treasury). It was a project with development difficulties and we were called to save it.

#### Accomplishments:

Save the Project with success.

#### Responsibilities:

- Senior Software developer of development team consisting of 6 top senior programmer/architects
- We were called to save the project by resolving the development issues that has another team

#### Technologies:

Oracle WebLogic Server 11g Release 1 (10.3.6)  
EJB 3.0, JSF 2.0, JSTL 1.2, Servlets 2.5, Java SE 6,  
Java SE 6  
Oracle Database 11g (11.1.0.6.0)  
Eclipse Kepler 4.3.0  
Maven 3, SVN 1.7.6, GIT, Jenkins, SonarQube  
PrimeFaces 3.5, OmniFaces 1.6.3, Mojarra 2.0.4  
JUnit 4.11  
SCRUM.

## Redsys

<http://www.redsys.es>

Apr. 2011 – Sep.2013

### ***Integration Architect***

Responsible of the design and implementation of the Architecture for the projects for integrating Java EE applications between Servired and 4B as the result of the merge of SERMEPA and Redys.

#### Applications

- **Integration of the Disputes document management systems of Servired and 4B:** enterprise integration of the two systems for achieving

the merge of the global processing in Redsys.

- **Integration of the Disputes document management systems of Redsys (Servired and 4B) with VISA:** evolve the international Gateway for Servired with the operations from 4B.
- **Integration of the ATM Network Information Systems of Servired and 4B:** integrate in the application for Servired the data from the 4B network.
- **Web application for tracking China Union Pay (CUP) operations:** in order to validate the integration in HOST for CUP, a web application was rapidly created. It included minor management of the operations.

#### Accomplishments:

- Understanding of the general business logic for a better integration of the systems regardless the network they belong to.
- Use of Enterprise Integration Patterns for integrate applications from heterogeneous environments
- Evolution of development: Spring Integration and Spring Data

#### Responsibilities:

- Enterprise Architect: design of the architecture for the integration of the applications
- Project Manager , reporting to the manager who manages a portfolio of projects, and leading a group of developers of 2-4 people. Responsible for tasks and milestones.
- Lead developer and mentor of the key technologies of the project.

#### Technologies:

IBM WebSphere 7 and 8 , WebLogic and Tomcat.

Java EE 5/6 (JPA , JAXB , JTA , JMS , JSPX / Servlets )

Java SE 6

Spring Framework 3: core, mvc, security, roo, integration, web services, data jpa ·

IBM DB2 and Oracle Database · ·

Hibernate

ActiveMQ

SLF4J , logback , Guava , Apache Commons · Maven , Subversion , GIT · JQuery ,

JSON ( Jackson 2 )

Eclipse ( STS )

Redmine

## SERMEPA

<http://www.sermepa.es>

Feb. 2005 – Mar.2011

### ***Java EE Analyst***

Responsible of defining the solutions for the Java EE applications in order to fulfill the needs of the clients, both internal (departments such as Operations or Fraud) and external (Servired entities such as La Caixa,Caja Madrid, BBVA and so on)

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## Applications

- **Disputes Documentation National Gateway:** Dispute Document Management application for national networks: Servired with 4B and Servired with CECA.
- **Disputes Documentation International Gateway with VISA (v1):** Dispute Document Management application gateway with VISA, version 1 (VIG).
- **Disputes Documentation International Gateway with VISA (v1):** Dispute Document Management application gateway with VISA, version 2 (VROL)
- **Application of Issuing Fraud Detection for Servired.:** web application for all the entities, SOAP Web Services that were consumed by BBVA, La Caixa and Caja Madrid.
- **Application of Acquiring Fraud Detection for Servired.:** web application mainly used by La Caixa with a SOAP Web Service.
- **Evolution of the Operational Support application for Servired.:** now including Liquidation and Conciliation.
- **Generalization of the alert system for SERMEPA.:** now used by the entire company with more concepts (alerts, events, responsables and son on).
- **PoC for Infrastructure To Access Sermepa:** a nice try to a Global Single Sign On (applications, buildings and so on) and the issuing of a unique identifier in a smart card.
- **Application for detecting money laundering.**
- **Application for showing Servired rates:** <http://www.servired.es/tasas-de-intercambio/intra-sistema> and <http://www.servired.es/tasas-de-intercambio/inter-sistemas>.
- **Application for ATM network control:** ambition web application that shows all the available information regarding card operations in ATM of the Servired network.

## Accomplishments:

- National Gateway for Disputes Documentation (Servired, 4B and CECA)
- International Gateway for Disputes Documentation with VISA (first VIG, then VROL)
- Development frameworks: I was who introduce **Spring Framework**, including core, mvc, security (**acegi**) and **Roo**.
- Development Tools: IBM RAD, IBM RSA and finally Eclipse / STS.
- Evolution of development: from Visual Sourcesafe to Subversion
- Evolution of development: introduction of ANT, later on, evolution to Maven.
- Use of Junit and Cruise Control



### Responsibilities:

- To define the customer needs ( Department of Operations, Fraud , or Servired banks like Caixa , Caja Madrid, BBVA among others)
- To design the software solution for new applications and the evolution of the existing ones.
- Responsible of the definition of the infrastructure for development.
- Since 2006 , Project Manager of individual projects , reporting to the project manager that manages a portfolio of projects , leader of a group of 2-6 developers.
- Responsible for tasks and milestones (first with TRAC , then with Redmine and Mylyn)

### Technologies:

IBM WebSphere 5, 6.1. Apache Tomcat  
 Java EE 1.5/1.4 (JPA, JAXB , JTA , Java Server Faces , JSP / Servlets, JAX -WS )  
 Java SE 5 and JDK 1.4.2 ·  
 Spring Framework 1.2.8 and 2: core ,mvc, security ( acegi), roo  
 Hibernate  
 JCA ( Bouncy Castle)  
 IBM DB2 , MySQL, PostgreSQL  
 XMLBeans, log4j , commons-logging , Apache Axis , IBM webservices  
 Maven , ANT , Subversion  
 JQuery , JSON (Jackson 1)  
 RAD , RSA , Eclipse ( STS )  
 Redmine , Trac , Mylyn

## SERMEPA

<http://www.sermepa.es>

Feb. 2002 – Mar.2005

### *Java EE Lead Developer*

Main developer for the first web applications in SERMEPA for Servired and technical mentor for the introduction of Java EE in the company.

### Applications

- **Disputes document management system:** web application for the exchange of the Disputes documentation between Servired entities: request for copies (RFC), chargebacks (CB), and representments.
- **Application for Operational Support:** web application to visualize the information about clearing and settlement. With filters and navigation that didn't exist in the HOST application.
- **Alert System:** web application for management and delivery of alerts. A notification system available for all the applications within SERMEPA. Mainly used by development department.

### Accomplishments:

- Evolution of development: from UltraEdit/Notepad to IBM WSAD.
- Evolution of development: from shared network drive to Visual SourceSafe.
- Evolution of development: from custom directories (fuentes and ejecutables) to

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standard layout (src, bin and J2EE layout and packaging: EAR and WAR)

#### Responsibilities:

- Main developer of the first webapp in the Department for Servired from SERMEPA.
- Technological Mentor for the introduction of Java (J2EE), defining the structure of the applications.
- Teacher of Java to COBOL programmers

#### Technologies:

IBM WebSphere 3.5  
IBM DB2  
J2SE 1.3 (JSPs and Servlets), J2SE 1.4.2, Applets.  
HTML, JavaScript, CSS.  
IBM WSAD, Visual SourceSafe.

## Future Space

<http://www.futurespace.es>

Mar. 2001 – Sep.2002

### ***J2EE Analist / Programmer***

Developer for the projects of the company.

- **Eli Lilly and Co.** [<http://www.lilly.es>] Web application for tracking medical studies.

#### Accomplishments:

- Application running in production
- Learning EJBs while programming
- Dealing with UML and cascade methodology

#### Technologies:

J2EE, J2SE 1.2.2, JSPs, Servlets, EJBs 1.0.  
IBM WebSphere 3.5, Visual Age for Java, Microsoft Visual SourceSafe  
Oracle (TOAD).

#### Responsibilities:

Java programmer and tester (I wrote the last line of code before deliver the release)

- **Occidental:** [<http://www.occidentalhotels.com>] Occidental Hoteles website

#### Accomplishments:

- 4 months of hard work in order to deliver the application on time to peak season
- Learning open sources technologies

#### Responsibilities:

- Java programmer
- I installed Tomcat and Apache webserver
- Teach other team members about the technologies while learning them.

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### Technologies:

J2SE, JSPs, Servlets.  
Apache Tomcat, Apache webserver  
MySQL.

## DS Data Systems

<http://www.dsdata.es>

Dic. 2000 – Feb.2001

### *Java Programmer*

Developer for the projects of the company.

### Accomplishments:

- Courses of Java and Forté 4GL

### Responsibilities:

- Try to learn the best in order to be a good candidate for the clients

## IBM

<http://www.ibm.com/es-es>

Jul. 1998 – Sep.1999

### *Intern*

Member of the IBM website webmaster's team

### Accomplishments:

- Migration of the Spain website to the corporate standards (Bulk Site project)

### Responsibilities:

- To provide help in the management of the files of the IBM Spain website

### Technologies:

HTML, Javascript, FTP, Telnet.

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## EDUCATION

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**Facultad de Informática, Universidad Politécnica de Madrid**

Bachelor's Degree in Informatics Engineering , Software Engineer

1993 - 2001

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