

Jordi Burgos López

Senior Software Engineer

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I am a passionate software developer. Regularly, I enjoy attending conferences and meetups to keep me up to date. Besides, I like to develop personal projects to improve my knowledge. I like to work with people, I am nice and easy to work with. In addition I have experience training and mentoring team members.

Experience

2019–Present **Lead Software Development Engineer**, *Mastercard*, Dublin, Ireland.

Multinational Company; 18.600 employees; Financial Services, Technology.

- **Next Edge**: Research and Development of the next generation of Mastercard payment network.
 - Engage with stakeholders (Enterprise Architecture, Shared Services and Security) to drive and understand implications for the new network.
 - Investigate and implement several POC with Kafka, RabbitMQ, NATS and Spring Boot.
- **Event Framework**: Research and Development to enable building applications using event driven architecture. Java, Spring Boot, Spring Integration.
 - Design architecture and implement a Spring Boot library to enable event driven applications with several brokers (Kafka, RabbitMQ, NATS).
 - Design and implement a Maven archetype generator for event driven applications.
 - Investigate usage of project definition specifications like AsyncAPI.
- **Service design bootstrapping**: Research and Development to enable Mastercard developers with pre-designed project templates.
 - Design project strategy, project architecture and implementation details.

2016–2019 **Senior Software Engineer**, *SAP*, Dublin, Ireland.

Multinational Company; 85.000 employees; Business Operations and Customer Relations.

- **SAP Analytics Cloud**: Collect and produce statistics for dataset fields and metadata search. Java, Spring, JMS, REST, SAP HANA SQL.
 - Design and implement service architecture using Spring and JMS.
 - Design database structure and analysis SQL queries.
 - Implement service to support several cloud providers.
- **Predictive Analytics**: Software to create Machine Learning and Big Data processing pipelines graphically. Java, JavaScript, TypeScript, Webpack, SAP HANA database, SAP UI5.
 - Design and implement user interface architecture using TypeScript, Webpack and SAP UI5.
 - Train and supervise junior developers in the team.
 - Investigate and resolve bugs from server side code base.

2014–2016 **Senior Software Engineer**, *IBM*, Dublin, Ireland.

Multinational Company; 400.000 employees; IT consulting.

- **HR suite project**: Software suite for HR related applications. Java, REST, JPA, JAX-RS, HTML, CSS, JavaScript, AngularJS, IBM WebSphere, Linux.
 - Design and implement architecture of back-end REST services with JAX-RS and JPA on WebSphere.
 - Design and implement AngularJS User Interface connected to the REST back-end.
 - Collaborate with User Experience (UX) team on the design of interface.
 - Work using Agile, Design Thinking and Test Driven Development methodology.

2006–2014 **Java Software Engineer**, *GFT IT Consulting, S.L.U.*, Valencia, Spain.

Multinational Company; 4.800 employees; IT and Services industry.

- **Global Funds Derivatives Tracker**: Capture fund derivatives business at Deutsche Bank. It is a repository of core funds, market data and derivatives. Java, Spring, Hibernate, Oracle PL/SQL, HTML, CSS, JS, ExtJS, Linux.
 - Create reusable components and code to increase developers performance.
 - Optimize the application at all layers. Provide technical support to team members.
- **Feed Consolidation Layer**: ETL project to fetch data from several sources in proprietary formats into a unified data representation. Java, Oracle PL/SQL, OpenAdaptor, Maven, Teamcity, Linux.
 - Improve feed processing performance to increase message volume with the same infrastructure.
 - Analyse, improve and implement the Software Development Life-Cycle (SDLC), CI and CD.
- **Legal Vehicle Database**: Track legal entity population for tax reporting purposes at Deutsche Bank. Java, GWT, Hibernate, Oracle.
 - Rewrite the user interface of an inherited project using Google Web Toolkit (GWT).

- 2001–2005 **Java Developer**, *Infoquip S.L.*, Valencia, Spain.
Local company; 5 employees; Computer material store and custom software development.
- **Java Program Generator**: Java application generator to cut delivery times. Java, Swing, JDBC, MySQL, HTML, CSS, Linux.
 - Design and develop the engine for code generation with SQL database storage.
 - Develop a report generator, with viewer and printer.
 - **Sales point program** for furniture company. Java, Swing, JDBC, MySQL.
 - Sales program for interconnected stores.
 - Take client requirements and develop application using generator.
- 1999–2000 **Technical School internship**, *Infoquip S.L.*, Valencia, Spain.
Local company; 5 employees; Computer material store and custom software development.
Internship, 250 Hours.
- Learn Java programming language. Build and configure PCs and networks.

Professional certification

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| Jun-2018 | Deep Learning and Neural Networks Specialization on Coursera | |
| Sep-2016 | Machine Learning by Stanford University on Coursera | |
| Apr-2013 | MongoDB for Java Developers | M101J |
| Jul-2012 | Object Oriented Analysis and Design with UML | |
| Mar-2011 | Oracle PL/SQL Developer Certified Associate | OCA PL/SQL |
| Jan-2009 | Sun Certified Programmer for the Java Platform SE 6 | SCJP 6.0 |

Education

- 2004–2007 **Master of Computer Science**, *Universidad Politécnica*, Valencia, Spain.
2005 **ERASMUS grant**, *University College of Engineering*, Odense, Denmark.
- 2000–2004 **Bachelor of Computer Science**, *Universidad Politécnica*, Valencia, Spain.
- 1997–2000 **Technical School Management Information Systems**, *I.E.S. El Cabañal*, Valencia, Spain.
- 1996–1997 **Technical School Administrative Assistant**, *I.F.P. La Marxadella*, Torrente, Spain.
- 1995 **Primary School Graduated**, *C.P. Ausiàs March*, Picaña, Spain.

Languages

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| English | First Certificate English (FCE) | Level B2 CEFR, Jul-2012 |
| Spanish | Native | |
| Catalan | Native | |

Skills

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| Languages | Java (J2SE, J2EE), JavaScript, TypeScript, Python, Shell, scripting languages |
| Web | REST, HTML, CSS, JavaScript, Typescript, React, AngularJS, SAP UI5 |
| Frameworks | Spring, Spring Boot, Spring Integration, JPA, Hibernate |
| OS | Linux, Windows, Docker |
| Databases | Oracle SQL and PL/SQL, MySQL, SAP HANA |
| Message brokers | Kafka, RabbitMQ, NATS |
| Testing | Unit Testing, Integration Testing, JUnit, Mockito, Selenium, Karma, Mocha |
| Methodology | Agile software development, Scrum, Test Driven Development (TDD) |
| Web servers | Apache Tomcat, WebSphere, Jetty |
| Build tools | Maven, Gradle, Ant, Webpack, Grunt, Gulp |
| CI | Jenkins, Teamcity |
| Version control | Git, Subversion (SVN), CVS |