



# ALEJANDRO GALLARDO MARTIN

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**Date of birth:** 03/05/1980 | **Nationality:** Spanish | **Gender:** Male | (+34) 653668704 | [alejandro.gallardo@nologin.es](mailto:alejandro.gallardo@nologin.es) |

28045, MADRID, Spain

## ● WORK EXPERIENCE

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01/12/2017 – CURRENT

**DATA ANALYST / SOFTWARE DEVELOPER** – NOLOGIN CONSULTING S.L - PUERTOS DEL ESTADO

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- Design and deployment of operational procedures for data harvesting from oceanographic information providers.
- Software development for data handling, data files generation and interactive visualization .
- Operational definition and implementation of quality assessment framework.
- Support for administration operations over relational and non-relational databases, developing interfaces and gateways to access data through REST services.
- System definition and development of automation routines in Linux operating system environment.
- Definition and implementation of a web-based solution for running operational procedures and monitoring outcomes.
- Desing, deployment and maintenance of a customized real-time alert system.
- Defining and upgrading of CD/CI scheme to automatic deployment of operational procedures.

Madrid, Spain

01/09/2016 – CURRENT

**COFOUNDER** – TRANS4TRONICA SLL - ELECTRONICS AND SOFTWARE SOLUTIONS

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- Design firmware for microcontrollers in C and to run over MCU operating system.  
Design and develop back-end (JAVA based) / front-end web applications for storing and visualization sensor data with SPRING, HIBERNATE, MAVEN, AJAX, JSON, JQUERY CHARTING LIBRARIES.  
Design PYTHON functions for managing concurrency access to data over Raspberry platform.  
Design C libraries to configure and control sensors in a wide range of domestic and industrial applications: temperature, humidity, motion sensor, light sensor, accelerometer.

MADRID, Spain

15/02/2011 – 30/11/2017

**CUSTOMER SERVICE TECHNICIAN** – EXTEL CRM

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Technical support for troubleshooting in customer service department.

MADRID

01/03/2016 – 30/06/2016

**FIRMWARE AND SOFTWARE DEVELOPER** – DELCOM TELECOMUNICACIONES Y SISTEMAS

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- Design C libraries for control and communication of microcontroller and RF transceiver.  
Design Python libraries for RFID applications in remote data storage and retrieval system.  
Design of native mobile app for data storage and visualization with PHP and ANDROID STUDIO.

MADRID, Spain

01/09/2010 – 01/02/2011

**TECHNICAL SALESPERSON** – SAFER INSTRUMENTACION SL

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Design and support of OEM intrumental systems for monitoring industrial processes

MADRID

01/04/2010 – 30/06/2010

## ENERGY EFFICIENCY TECHNICIAN – SINCEO2

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Modeling and visualization of thermographic data and electricity supply for the reporting of energy performance of buildings

MADRID, Spain

01/10/2008 – 27/03/2010

**MANAGEMENT CONTROLLER – GRUPO EULEN**

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Development of VisualBasic macros for data processing and performance indicators

MADRID, Spain

01/07/2007 – 31/05/2008

**MANAGEMENT CONTROLLER – IRIARTE TRADING FASHION SL**

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Design of information system for accounting information management

MADRID, Spain

01/06/2007 – 31/07/2007

**RESEARCH STUDENT SCHOLARSHIP – ISOCO**

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Development of conceptual ontology in OWL format with Protege for enrichment of semantic search engine for administrative information.

MADRID, Spain

01/01/2007 – 31/05/2007

**RESEARCH STUDENT SCHOLARSHIP – UNIVERSIDAD CARLOS III - COMPUTER AND COMMUNICATIONS SERVICE**

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Content migrator and architecture creator with web content manager and document manager

MADRID, Spain

01/04/2006 – 30/11/2006

**TECHNICAL SUPPORT RESEARCH B2 – UNIVERSIDAD CARLOS III - GRUPO SCIMAGO**

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Validation and codification of raw data for indicators development and visualization of huge information volumes in the project "La investigación en colaboración de las Universidades españolas (2000-2004)" (PostgreSQL, PHP, Javascript plotting)

MADRID, Spain

## ● EDUCATION AND TRAINING

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01/10/2016 – 06/06/2017 – MADRID, Spain

**MASTER CERTIFICATE IN JAVA SE – CICE - ORACLE**

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**Programmer Certified Profesional** (1Z0-851). Score 98%

Web Frameworks: **Spring, Struts, JSF, Maven, JSTL, Ajax, JQuery**

Persistence Frameworks: **Java Persistence API, Hibernate**

Database Management Systems: **MySQL, PostgreSQL, MongoDB**

01/09/2014 – 01/06/2016 – MADRID, Spain

**HIGHER TECHNICIAN IN ELECTRONIC DESIGN – JUAN DE LA CIERVA HIGH SCHOOL**

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Design of Analogical Electronic Circuits  
Design of Digital Electronic Circuits  
Programming of Microprogrammable devices  
Design of Radio-communication systems  
Maintenance of Telecommunication infrastructures  
Maintenance of Industrial Electronics Equipment  
Assembly Processes and Techniques and Maintenance of Electronic Equipment  
EQF level 5

01/09/2009 – 01/06/2011 – MADRID, Spain

**HIGHER TECHNICIAN IN ELECTROTECHNICAL AND AUTOMATED SYSTEMS – CFP JOSE RAMON OTERO**

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Processes in Renewables Energies Infrastructure Installations  
Electrical Installations Techniques and Processes  
Electrical Systems and Circuits  
Techniques and Processes in Home Automation and Automatic Installations  
Development of Electrical Networks and Electrical Substations  
EQF level 5

01/09/2002 – 01/06/2007 – MADRID, Spain

**BSC IN INFORMATION SCIENCE – UNIVERSIDAD CARLOS III**

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Analysis and desing of database systems (PostgreSQL)  
Design of patterns for structuring, codificacion and exchange scientific information (XML, JSON, NETCDF, OWL)  
Knowledge organization systems  
Information search and retrieval in web semantic systems (PROTEGE)  
Web content management  
Automation systems in information services  
Electronic records management for the enterprise  
Accesibility and universal design of information  
EQF level 7

01/09/1999 – 01/06/2002 – Madrid, Spain

**BSC IN PHYSICS – Universidad Nacional de Educacion a Distancia**

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Uncompleted studies  
Some subject passed : mathematical analysis (differential and integral calculus), linear algebra, physics fundamentals, electromagnetism, computational physics with FORTRAN  
EQF level 7

## ● LANGUAGE SKILLS

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**Mother tongue(s):** SPANISH

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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Programming (C, Java, Python, OCaml, OpenGL) | CI/CD using Jenkins | Docker Container | GITLAB CI | Designing electronic circuits | Electronic simulations

- **HONOURS AND AWARDS**

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**Honours and awards**

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2006 - Awardee CSIC scholarship of research introduction for social science students

2005 - Educational excellence certification of Comunidad Autonoma Madrid academic achievement prizes

- **ORGANISATIONAL SKILLS**

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**Organisational skills**

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Advanced skills in teamwork, resource management and troubleshooting

- **COMMUNICATION AND INTERPERSONAL SKILLS**

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**Communication and interpersonal skills**

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Good communications skills gained through my experience as a customer service technician

- **JOB-RELATED SKILLS**

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CURRENT

**Job-related skills**

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Programming skills over Object Oriented paradigm (JAVA, PYTHON) and structure and Imperative paradigm (C, FORTRAN).

Analytical capacities for identifying patterns in raw data and for designing data models that represent semantic features of data collections in standard exchange formats (XML, JSON, NetCDF, OWL).