PERSONAL INFORMATION

ALEJANDRO GALLARDO MARTIN

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Sex Male | Date of birth 03/05/1980 | Nationality Spanish

EDUCATION AND TRAINING

01/10/2016–06/06/2017

Master Certificate in JAVA SE
CICE - ORACLE, MADRID (Spain)

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

Higher Technician in Electronic Design
JUAN DE LA CIERVA HIGH SCHOOL, MADRID (Spain)

EQF level 5

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

01/09/2009–01/06/2011

Higher Technician in Electrotechnical and Automated Systems
CFP JOSE RAMON OTERO, MADRID (Spain)

EQF level 5

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

01/09/2002–01/06/2007

BsC in Information Science
UNIVERSIDAD CARLOS III, MADRID (Spain)

EQF level 7

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 informationn

| 01/09/1999–01/06/2002 | **BsC in Physics** | EQF level 7 |

Universidad Nacional de Educacion a Distancia, Madrid (Spain)

Uncompleted studies

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

WORK EXPERIENCE

01/12/2017–Present Data analyst / Software developer

Nologin Consulting S.L - Puertos del Estado, Madrid (Spain)

- Procedures design and implementation for data collection from oceanographic information providers.

- Tool development for data handling and interactive visualization .

- Operational definition and implementation for self-acting quality assessment.
- Support for managing persistence operations over relational database, developing interfaces and gateways to access data through a rest framework.

- System definition and development for routines automation in operating system environment.

01/09/2016–Present COFOUNDER

TRANS4TRONICA SLL - ELECTRONICS AND SOFTWARE SOLUTIONS, MADRID (Spain)

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 sensor in a wide range of domestic and industrial applications: temperature, humidity, motion sensor, light sensor, accelerometer.

15/02/2011–30/11/2017 CUSTOMER SERVICE TECHNICIAN

EXTEL CRM, MADRID (SPAIN)

Technical support for troubleshooting in customer service department.

01/03/2016–30/06/2016 FIRMWARE AND SOFTWARE DEVELOPER

DELCOM TELECOMUNICACIONES Y SISTEMAS, MADRID (Spain)

Design C libraries for control and comunication of microcontroller and RF transceiver.

Design Python libraries for RFID applicattions in remote data storage and retrieval system.

Design of native mobile app for data storage and visualization with PHP and ANDROID STUDIO.

01/09/2010–01/02/2011 TECHNICAL SALESPERSON

SAFER INSTRUMENTACION SL, MADRID (SPAIN)

Design and support of OEM intrumental systems for monitoring industrial processes

01/04/2010–30/06/2010 ENERGY EFFICIENCY TECHNICIAN

SinCeO2, MADRID (Spain)

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

01/10/2008–27/03/2010	**MANAGEMENT CONTROLLER**

GRUPO EULEN, MADRID (Spain)

Development of VisualBasic macros for data processing and performance indicators

01/07/2007–31/05/2008	**MANAGEMENT CONTROLLER**

IRIARTE TRADING FASHION SL, MADRID (Spain)

Design of information system for accounting information management

01/06/2007–31/07/2007	**RESEARCH STUDENT SCHOLARSHIP**

ISOCO, MADRID (Spain)

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

01/01/2007–31/05/2007	**RESEARCH STUDENT SCHOLARSHIP**

UNIVERSIDAD CARLOS III - COMPUTER AND COMMUNICATIONS SERVICE, MADRID (Spain)

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

01/04/2006–30/11/2006	**TECHNICAL SUPPORT RESEARCH B2**

UNIVERSIDAD CARLOS III - GRUPO SCIMAGO, MADRID (Spain)

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

PERSONAL SKILLS

Mother tongue(s)   Spanish

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
P2 level test- UNIVERSIDAD CARLOS III, FIRST CERTIFICATE equivalence				

English

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

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

Organisational / managerial skills   Advanced skills in teamwork, resource management and troubleshooting

Job-related skills   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)

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Independent user	Proficient user	Independent user	Proficient user

Digital skills - Self-assessment grid

Java Standard Edition 6 Programmer Certified Profesional (1Z0-851)

Advanced skills in Linux system administration and shell scripting in Bash and C shell command for programming process automation and daemon services

Professional skills in MVC frameworks (SPRING), persistence frameworks (HIBERNATE) and web technologies (AJAX, PHP).

Professional expertise in Electronic Design Automation Suites and Electronics Simulation Environment.

ADDITIONAL INFORMATION

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

2005 - Educational excellence certification of Comunidad Autonoma Madrid academic achiement prices