

# Andrés Sevillano Vallejo

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<https://AndresSevillano.com> 

**A motivated and accomplished Software Developer with years of experience in Energy, Aerospace, Telecom, Digital Advertising and Fintech sectors. Enthusiastic and versatile team player with a proven success in delivering high tech projects. Quality driven with strong attention to detail. Committed, passionate and innovative solution-provider.**

<i>Development</i>	<i>Infrastructure</i>	<i>Technical Apps</i>	<i>Operating Systems</i>	<i>Learning</i>
C/C++	Bash/Powershell	R/Matlab/Simulink	Linux/Windows	Vuejs/WebAssembly
Go/Rust	Python/Mojo	LabVIEW/iFix SCADA	macOS/LynxOS	Java/Kotlin

## Career History

**FD Technologies**, Dublin, Ireland & Madrid, Spain **2018-Present**  
**Software Engineer**

*Reinforced connectivity team for kdb+ based products.*

- ▶ Developed & supported Linux C++ feedhandlers & fixservers on Forex systems (C++/q/bash).
- ▶ Designed & cross-built Windows/Linux maintenance tools (C++/Go/Rust/Kubernetes).
- ▶ Ported C# kdb+ app into Win32 C++ along with its building infrastructure (C++/Go/Powershell).

**Chameleon Ad**, Dublin, Ireland **2016-2018**  
**Software Engineer**

*Developed new features and relentlessly improved automation and documentation for Chameleon digital advertising full-stack native platform.*

- ▶ Analysed & implemented demand-side platform (DSP) functionality (C++ / Go).
- ▶ Established building and automatic testing & deployment infrastructure (Go / Python).
- ▶ Assisted in statistics and data mining (R).

**Tecnotree Ltd**, Shannon, Ireland **2013-2016**  
**Software Engineer**

*Actively engaged in different stages of Tecnotree solutions around the world, working with colleagues in Europe, Asia and America.*

- ▶ Researched prototypes on AWS IoT, ELK, Go, Redis, Docker, cross-compilation Linux / Solaris.
- ▶ Assisted DevOps with Continuous Integration.
- ▶ Transferred repository code from CVS / SVN into GIT.
- ▶ Deputised for Scrum Master as required.

**Ericsson R&D Center**, Madrid, Spain **2010-2013**  
**Software Engineer** (Contractor)

*Strengthened the whole organization on the different sites to roll out Ericsson CUDB, following Agile methodologies (Scrum & Kanban) and analyzing test results to determine root causes of failures and take corrective actions.*

- ▶ Secured maintenance of distributed database cluster CUDB project on C/C++ Linux.
- ▶ Developed incremental improvements on related LDAP & MySQL CUDB codebase.
- ▶ Solved different issues on repositories (ClearCase/GIT), configuration files (XML/XSD), blades (OEM/EBS), platforms (LOTG/OMP/CBA) through functional & system testing and related QA chores.

**Technical Systems of State Lottery**, Madrid, Spain **2008-2010**  
**Software Engineer** (Contractor)



*Consolidated automation frameworks that apply QA and test methodologies.*

- ▶ Established integration and system tests for Spanish lotto game servers on C++ AIX.
- ▶ Expanded software tests for communication with client-side machines.
- ▶ Built frameworks for reporting tools in Python/HP Quality Center platform.

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## Career History

**Indra Space**, Madrid, Spain 2008

**Software Engineer** (Contractor)

*Conducted Testing & Development for satellite ground segment at European Galileo project.*

- ▶ Analysed and developed real-time system monitor module (POSIX threaded SNMP/TCP/UDP).
- ▶ Controlled unit test with Cantata++ for C on RTOS LynxOS code.
- ▶ Reviewed Tcl/Tk static analysis code results.

**Tecnatom Headquarters**, Madrid, Spain 2001-2004

**Instrument & Control Engineer**

*Delivered European INTCOM project, a process control system for biomass fired plants and deployed prototype in Combined Heat and Power Plant at Linköping, Sweden.*

- ▶ Designed mathematical models and statistically prepared input data (Matlab/Fuzzy Logic/R).
- ▶ Implemented real-time neural networks (Win32/iFix SCADA/x86 Assembler/C++/VBScript).
- ▶ Integrated and diagnosed partners' Windows DLLs for final deployed prototype.
- ▶ Assisted with our Tecnatom Lifetime Management Analysis software.
- ▶ Developed & reviewed scripts for Nuclear Plants' back-office statistics.
- ▶ Evaluated training Combined Cycle material.

**ENUSA Industrias Avanzadas**, Madrid, Spain 2000-2001

**Physicist & Developer** (Scholarship Holder)

*Simplified Intranet company tasks and acquired Nuclear Fuel Cycle initiation.*

**Audatex**, Madrid, Spain 2000

**Junior Programmer** (Scholarship Holder)

*Performed Quality Assurance testing of product versions.*

## Education and Training

**M.Sc. in Physical Sciences**

*Universidad Complutense de Madrid*

🎓 Master in Electronics. 1998

🎓 Master in Automatic Calculus. 1999

**Energy and Telecom short courses**

*Universidad Politécnica de Madrid*

🏢 Low Voltage Regulation (200h). 2005

🏢 Wind Parks Technologies & Projects (160h). 2005

🏢 Corporate Networks (200h). 2007

🏢 Energy Audit 200h (200h). 2007

**Master in Electronics Engineering**

*Universidad Complutense de Madrid*

🎓 Pending final project. 2007

## Languages

	<i>Speaking</i>	<i>Writing</i>	<i>Reading</i>
🇪🇸 Spanish	Native	Native	Native
🇬🇧 English	C1	C2	C2
🇵🇹 Portuguese	B2	C1	C2
🇩🇪 German	A2	A2	B1
🇫🇷 French	A1	A1	B2