




Andrés Sevillano Vallejo

Sánchez Preciado 44, 3A
28039 Madrid
Madrid, Spain

✉ andres.sevillano.vallejo@gmail.com
☎ (34) 689769374

andres-sevillano-vallejo 
andres.sevillano.vallejo 
<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.

C/C++	Python	R/Matlab/Simulink	Linux/Windows	Bash/Powershell
Rust	Go	LabVIEW/iFix SCADA	macOS/LynxOS	Java/Kotlin

Cipherbit Oesía, Madrid, Spain

2024-

Technical Lead

R&D project on security ASIC devices, including cryptographic blocks, mainly for the aerospace sector.

- ▶ Developed RISC-V procedures (C/assembler).
- ▶ Supported Linux C++ cryptographic modules.
- ▶ Automated Continuous Integration (CI) infrastructure for VHDL code (Tcl, CMake, Python, Docker, bash).
- ▶ Supported & automated VHDL tests (Questa, ModelSim, GHDL, Libero, SoftConsole)
- ▶ Developed & supported customized tools (Go, Java, C++, Powershell).

FD Technologies, Dublin, Ireland & Madrid, Spain

2018-2024

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.

- ▶ Developed communication apps (C++) and its testing (Java).
- ▶ Researched prototypes on AWS IoT, ELK, Go, Redis, Docker, cross-compilation Linux / Solaris.
- ▶ Assisted DevOps with Continuous Integration.
- ▶ 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.

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, including 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 INTCON 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

Master in Electronics Engineering
Universidad Complutense de Madrid

 Pending final project. 2007

Computer, 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

Bootcamps & Accelerator programs

 thePower: AI & Cybersecurity (in progress). 2025
 Let's Get Rusty: Rust Language (in progress). 2025

Languages

 Spanish  English  Portuguese  German  French  Dutch