

PERSONAL INFORMATION

First name / Last name JAIME JIMÉNEZ
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Mobile phone +358-442-992-827
Date of birth April 28, 1983

WORK EXPERIENCE

Dates April 2018 - Ongoing
Occupation or position held **Master Researcher**

- Work as domain expert on IoT protocols and technologies.

Dates December 2008 – April 2017
Occupation or position held **Senior Researcher – Internet of Things / Product Unit – System Architect**
Main activities and responsibilities

- Architecture, design and implementation on the best available technologies to build Ericsson's [IoT Accelerator](#). Protocol design: LWM2M, CoAP and IPSO Data Models. Implementation: Java, Robot and JS.
- 9 years of experience in research on Internet of Things (IoT) protocols and devices.
- Acting as domain expert towards Product Units. Some cases involve Kone, Husqvarna, Vaisala, Orange, ZIV and Maersk.
- Authored more than [25 patents](#).
- Extensive experience prototyping within Ericsson Research for showrooms like Mobile World Congress. [Evolved Capillary Networks prototype demo in the MWC15](#).
- Worked as coordinator and contributor on several external European and Finnish projects in several roles: FP7 COMMUNE, Massive Scale Machine to Machine (MAMMOTH), DIEM, H2020, EIT-HII.
- Implementing a prototype for the decentralization of Session Initiation Protocol (SIP) telecommunications.
- Supervised 6 Master's Theses students and 3 PhDs.

Standards Organisations

Co-Chair of the Constrained RESTful Environments (CoRE) Working Group at the IETF
Standardization of the Constrained Application Protocol (CoAP), a specialised web transfer protocol for constrained IoT devices. <https://tools.ietf.org/wg/core/>

As co-chair I am responsible of coordinating circa 70 engineers from different companies to provide high-quality technical specifications.

Open Mobile Alliance - Lightweight Machine to Machine (LWM2M)

One of the authors of [OMA-LWM2M](#). LWM2M is a protocol built on top of CoAP, adding a set of interfaces for managing devices.

IPSO Smart Objects, Main contributor

Creating data models (in XML) for Internet of Things. <https://github.com/IPSO-Alliance/pub>

Industrial Internet Consortium (IIC)

I am one of the authors of the [Industrial Internet Consortium \(IIC\) Connectivity Framework specification](#)

Dates	June 2006 – May 2007
Occupation or position held	Software Engineer
Main activities and responsibilities	Researching security in online banking transactions, Smartcard research, setting Unix and Windows environments, Network Set Up and Administration, management of Virtual Machines as well as translation of technical papers.
Employer	University Carlos III and Department of IT Security Evaluation, www.evalues.es
Type of business or sector	Education
Dates	October 2005 – May 2006
Occupation or position held	Trainee
Main activities and responsibilities	Software installation, maintenance and technical support for Windows workstations.
Employer	Viajes IberoService, www.iberoservice.com
Type of business or sector	Tourism
EDUCATION	
Dates	2009 - 2011
Title of qualification awarded	Master's program "Communications Systems, Security and Mobile Computing"
Principal subjects/occupational skills to be covered	Advanced Internetworking, Internet Security and Privacy, ICT Entrepreneurship and Venture Creation, Network Services, Advanced Routing in Packet Networks, Management of Networks and Networked Systems, Security in Mobile and Wireless Networks.
Scholarships	NordPlus Scholarship (2010-2011) granted for excellent EU/EEA citizens, funded by the Nordic Council of Ministers.
Name and type of organisation providing education and training	KTH Royal Institute of Technology, School of Information and Communication Technology, Stockholm, Sweden, www.kth.se Aalto University, School of Science and Technology, Helsinki, Finland, www.aalto.fi
Dates	2003 – 2007
Title of qualification awarded	Graduate Computer Engineer, Major: Programming
Principal subjects/occupational skills to be covered	Programming, Intra/Inter-domain Routing, Databases, Software Development, Computer Architecture and Organization.
Name and type of organisation	"Carlos III" University, School of Computing, Madrid, Spain, www.uc3m.es
PERSONAL SKILLS AND COMPETENCES	
LANGUAGES	
Spanish	Mother tongue
English	Fluent Certificate of Proficiency in English (C2.2)
German	Advanced (C1)
Italian	Advanced (C1.2)

COMPUTER / TECHNICAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> • Workplace: comfortable in small self-managed teams or larger organizations like those part of standard bodies. Used to an Agile workplace environment. • Programming: NodeJs, Java, Python, Robot, Git, bash. • Modelling: JSON, XML, YANG, CBOR. • Text: VIM, Markdown, LaTeX, Gantt, Matlab, etc.. • Emulation/Simulation: OverSim, Docker, OMNet, GNS3 and VBox. • General: MacOSX, Ubuntu and Windows systems.
OTHER SKILLS AND COMPETENCES	Co-ideating and planning projects, innovation, managing and supervising projects, coordinating among different partners and institutions, budget projecting, assuring material/ technical / human resources.
INTERESTS	I co-own a popular Neapolitan restaurant in Helsinki – www.capperi.fi . I read a lot, love to cook and eat. I am chatty. I also love hiking but the long winters make it complicated.