

Jaime Jiménez

Master Researcher, Ericsson Research · Agentic AI protocols

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SUMMARY

Researcher on agentic AI protocols with 17 years at Ericsson Research: how AI agents discover, authenticate and act across networks, APIs and devices. IETF CoRE Working Group co-chair since 2016, co-author of OMA LwM2M, about 90 granted patents. Current work with Google on the agent discovery standard and with Vonage on agentic AI for network APIs.

Ericsson Key Contributor Award 2025, top 10% of the Ericsson Group · **About 90 granted patents**, 26 invention disclosures since 2025 · **IETF CoRE co-chair since 2016**, 2 RFCs, 22 Internet-Drafts · **Co-author of OMA LwM2M**, hundreds of millions of devices

EXPERIENCE

Master Researcher, Agentic AI

2023 – Present

Ericsson Research

- Authored the IETF [Agent Directory](#) specification; co-authoring with Google the merged Agent Resource Discovery (ARD) specification and its Rust implementation for IETF 127.
- Shipped the Agent Directory as [open source on Ericsson's GitHub](#) (MIT).
- Built the CAMARA reference sandbox for agent-ready network APIs (RFC 9727 catalog, MCP, HTTP Events Query), Ericsson's working reference in the 6G exposure studies.
- Led Ericsson Research's agentic AI work with Vonage: Vonage MCP server, joint [blog post](#) and developer guide, co-invention on agent identity, 2 demos selected for Ericsson Research Day 2027.
- Co-owner of Ericsson's Statement of Direction on agentic AI protocols (AAIF, MCP, A2A, IETF); authored the protocol-stack analysis behind Ericsson's input to the 3GPP CT3 6G AI-protocol studies.
- Built agents that operate constrained IoT devices ([IRTF draft](#)) and transport networks over MCP; guest lectures at HKUST Guangzhou, Tampere, Helsinki and UNICAMP.
- Built LLM pipelines that track and score IETF drafts at ietf.jaime.win; published automated IETF reporting with LLMs ([arXiv 2410.13301](#)).
- 26 invention disclosures since 2025, about half on agentic AI; Ericsson Key Contributor Award 2025.

Master Researcher, Web and IoT

2018 – 2022

Ericsson Research

- Co-authored OMA LwM2M and IPSO Objects; OMA DMSO Working Group co-chair 2017-2024.
- Ericsson's contact for CoAP standardization at the IETF; co-author of the Industrial Internet Consortium Connectivity Framework.
- Led with Ericsson's IPR department the creation of the non-3GPP device IPR portfolio over IETF and OMA standards.

Senior Researcher and System Architect, IoT Accelerator

2008 – 2018

Ericsson Research

- Architect and developer in the IoT Accelerator unit; IoT device management research.
- Authored RFC 7650 (CoAP usage for RELOAD); low-power IoT demo at MWC 2015; FP7 COMMUNE and MAMMOTH projects.

STANDARDS AND OPEN SOURCE

- **IETF.** CoRE Working Group co-chair since 2016. Author of RFC 7650, RFC 8477 and the CoAP publish-subscribe architecture ([draft-ietf-core-coap-pubsub](#)). IANA Expert Reviewer for the CoAP registries.
- **Agentic AI Foundation.** Identity and Trust working group; A2A Technical Steering Committee calls.
- **Open source.** [Agent Directory](#) (MIT), [CoAP publish-subscribe broker](#), [HTTP Events Query client](#); live [CAMARA agent sandbox](#).

EDUCATION

M.Sc. Communications Systems, Security and Mobile Computing 2009 – 2011

KTH Royal Institute of Technology, Stockholm, Sweden

NordPlus Scholarship. Thesis: [Adapting a DHT to a Self-Reliant M2M Network](#).

Computer Engineering 2003 – 2007

Carlos III University, Madrid, Spain

Thesis: [Implementation and performance of RELOAD](#).

SKILLS

Agent protocols: MCP, A2A, agent discovery (ARD), WIMSE, OAuth, HTTP Events Query, x402

Internet protocols and standards: CoAP, HTTP, LwM2M, OpenAPI, RFC 9727 API catalogs, IETF, OMA, CAMARA, 3GPP exposure

AI engineering: LLM pipelines, ReAct agents, classification, evaluation, Workers AI, Claude Code, Temporal

Building and shipping: Python, TypeScript, Rust, gRPC, Cloudflare Workers, D1

IPR: invention disclosures, prior art, portfolio strategy

SIDE PROJECTS

- **23signs.** Own software consultancy. Public tools on open data, each a page for people and an interface for their agents (JSON API, MCP server, llms.txt, OpenAPI): Finnish Trade Register, tax records, Statistics Finland map, history map, OECD PISA.
- **Capperi Oy.** Co-owner of 2 Napoletana pizzerias in Helsinki.

OTHER

Patents: [patents.google.com](#), about 90 granted. **Publications:** [scholar.google.com](#), [IETF datatracker](#). **Profiles:** [LinkedIn](#), [GitHub](#). **Languages:** Spanish (native), English (C2), Italian (C2), German (C1).