

José Manuel Cantera Fonseca

Email: jmcanterafonseca@gmail.com
Tel. number: +34 638 883 076
<https://github.com/jmcanterafonseca>



Professional Portfolio

Software engineering professional with 22 years of experience. A deep and wide, full-stack, technological background. Focused on open source, open platforms and standards.

Contributions to International Standards

Contributions to W3C standards.	2006-2019
---------------------------------	-----------

- Device Description Repository Simple API.
 - <http://www.w3.org/TR/DDR-Simple-API/>
- Model-Based UI Technical Report.
 - <http://www.w3.org/2005/Incubator/model-based-ui/XGR-mbui-20100504/>
- Contacts Manager API.
 - <http://www.w3.org/TR/contacts-manager-api/>
- Telephony API.
 - <http://www.w3.org/TR/telephony/>
- Messaging API.
 - <http://www.w3.org/TR/messaging/>
- Participated in different W3C Workshops: DDWG, UWA, Future of RDF, Model-Based UIs, Future of Offline WebApps, Graph Data, WoT.
 - <https://bit.ly/2yU1cQd>
 - <https://bit.ly/2v3xC5U>
 - <https://bit.ly/2GmCmdq>

Contributions to ETSI Technical Specifications.	2017-2019
---	-----------

- ETSI Context Information Management API (NGSI-LD)
 - https://www.etsi.org/deliver/etsi_gs/CIM/001_099/009/01.01.01_60/gs_CIM009v010101p.pdf

Contributions to GS1 Technical Specifications.	2021-2022
--	-----------

- EPCIS 2.0
 - <https://github.com/gs1/EPCIS>

Leaded Open Source Projects

Zebra-IOTA Edge SDK (Identity Enabler)	2021-2022
--	-----------

- <https://github.com/ZebraDevs/Zebra-Iota-Edge-SDK>
- <https://blog.iota.org/identity-on-the-edge-zebra/>
- <https://wiki.iota.org/zebra-tutorials/zebra-iota-edge-sdk/zebra-iota-edge-sdk-101-tutorial>
- <https://www.youtube.com/watch?v=9yL5wYkjqE4>

José Manuel Cantera Fonseca

one-click-tangle (Deploy IOTA Nodes and Networks in one click)	2021-2022
--	-----------

- <https://github.com/iotaedger/one-click-tangle>
- https://wiki.iota.org/chrysalis-docs/tutorials/one_click_private_tangle
- https://wiki.iota.org/chrysalis-docs/tutorials/mainnet_hornet_node_k8s

tangle.js (Libraries for IOTA developers)	2021-2022
---	-----------

- <https://github.com/iotaedger/tangle.js>

NGSI-LD API Implementation (Scala). Test Suite (Jest). Node-Red	2018-2019
---	-----------

https://github.com/fiware/NGSI-LD_Wrapper (incubating project).
https://github.com/fiware/NGSI-LD_TestSuite
https://github.com/FIWARE/node-red-contrib-FIWARE_official

schema.fiware.org (Schema.org for Smart Cities)	2016-2018
---	-----------

- > 100 organizations declared interest (contributors, watchers, stargazers, forks, projects using it)
- Referenced by different reports from Spain and USA Governments
<https://github.com/fiware/dataModels>
<https://github.com/smart-data-models>
<https://t.co/vqtzkNyPqr>
<https://bit.ly/2Mzfk3k>

MyMobileWeb	2005-2010
-------------	-----------

- More than 16k downloads.
- Two books talking about the technology.
<https://en.wikipedia.org/wiki/MyMobileWeb>
https://www.w3.org/2008/07/MyMobileWeb_Short.pdf
<https://bit.ly/2KuQC3j> <http://bit.ly/2jSpy4M>

Contributions to open source projects

NGSIv2. Orion Context Broker Project	2015-2017
--------------------------------------	-----------

- 9th code contributor out of 46.
<https://github.com/Fiware/context.Orion/graphs/contributors>

FIWARE Contribution Requirements.	2018
-----------------------------------	------

<http://github.com/fiware/contribution-requirements>

Firefox OS – Gaia UI.	2012-2015
-----------------------	-----------

- 11th code contributor out of 629.

José Manuel Cantera Fonseca

<https://github.com/mozilla-b2g/gaia/graphs/contributors>

Other projects

- Track & Trace Ledger APIs .-
 - <https://iotaledger.github.io/gtsc-track-trace/tutorial/track-trace-ledger-api-tutorial-101>
 - <https://www.youtube.com/watch?v=UcN1JDWO6dQ>
- Wine Authenticity Challenge
 - <https://www.youtube.com/watch?v=eAvJ5Xk8Lyk>
- Deploy mongoDB on Kubernetes in a secure and scalable manner
 - <https://canterafonseca.es/k8s/kubernetes/statefulset/mongodb/replica/set/security/iot/big/data/tls/cloud/native/computing/iot-bigdata-mongodb-deployment-kubernetes-part1.html>
- micro-services Challenge .- Reference Project on event-driven micro-service architectures using Scala, REST and Apache Kafka
 - <https://github.com/jmcanterafonseca/microservices-challenge>
- Car Navigator for Smart Cities (Android + Node.js)
 - <https://github.com/Fiware/showcase.smartcity.carNavigator>
 - <https://github.com/jmcanterafonseca/showcase.navigator.adaptor>
 - https://www.youtube.com/watch?v=0gqe_cD3mol
- Invited speaker at several conferences: Campus Party 2010, Campus Party 2016, EICS 2010, theEvnt 2010, MovilForum 2011, FIWARE Summit 2016-2019. IoT Week 2018, 2019. ScyllaDB Summit 2022, GS1 Global Forum 2022.
 - <https://sites.grenadine.co/sites/iot/en/iot-week-2018/participants/3536>
 - <http://www.youtube.com/watch?v=YB9Sp0NKakA>
 - <https://bit.ly/2Utd46>
 - <http://www.slideshare.net/jmcanterafonseca/fiware-smart-cities>
 - <https://www.youtube.com/watch?v=UGzMUEIMw8s&list=PLR9elAI9JscTIBHvLQ7f-dyiZBcZrMj4H&index=1>
 - <https://www.scylladb.com/presentations/scalable-and-sustainable-supply-chains-with-dlts-and-scylladb/>

Portfolio closed on May 2022