

# SAJIDA ZOUARHI



Engineer | PhD Student | Blockchain Expert

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## EXPERIENCE

**Research Engineer in Critical Data Transmission and Blockchain Solutions in Healthcare and Internet of Things**  
Orange Labs

Nov 2014 – Ongoing Grenoble, France

**Blockchain Community Actor**  
Hackathons, Associations and Think Tank activities

Oct 2015 – Ongoing France

- Co-founder and co-director of BLOCKFEST (pedagogical blockchain festivals) – hackathons, conferences, blockchain startups mentoring, 400+ people trained within a year
- Head of EBTT (eHealth & Blockchain Think Tank) – working in collaboration with the WHO (World Health Organization)
- Co-founder of CHAINTECH (francophone blockchain association) – liaison with the french government, startups and communities (mainly bitcoin and ethereum french communities)
- Animator of a local Blockchain Meetup in Grenoble (350+ members) and in Paris (1000+ members)

**Blockchain Consultant**  
MagmaTeek – New technologies and blockchain experts

Jun 2016 – Ongoing Decentralized

- Developed a methodology to help companies and entrepreneurs understand if and how blockchain can impact and transform their business
- Worked with different types of actors: Blockchain Partner, Orange, Linksiium, EDF, Healthcare Data Institute, Chamber of Commerce and Industry of Grenoble
- Created the Blockchain Canvas [www.theblockchaincanvas.com](http://www.theblockchaincanvas.com)

**“If you want to build a ship, don’t drum up the men and women to gather wood, divide the work, and give orders. Instead, teach them to yearn for the vast and endless sea.”**  
Antoine de Saint-Exupery

## STRENGTHS

- Complex project management
- Entrepreneur mindset
- Strategic decisions maker
- Social skills
- Problem Solver
- Pedagogical Skills
- Public Speaking

## TECHNICAL SKILLS

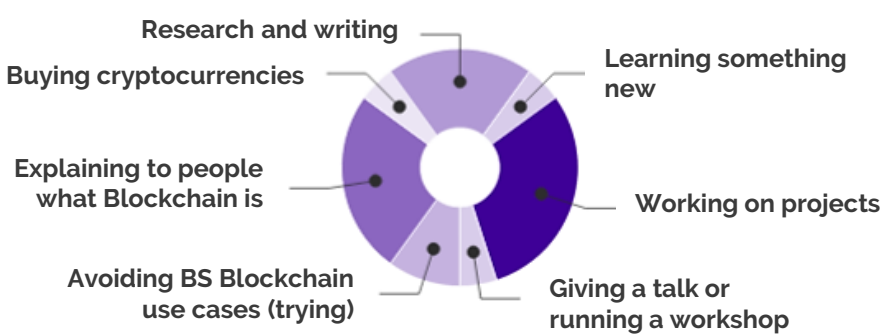
- Ethereum - Solidity
- Hyperledger - Fabric
- Ontology
- C
- C++
- Python
- Matlab
- LabView
- Unix
- Linux



## LANGUAGES

- French
- English
- Arabic (morocco)
- German
- Mandarin

## A WORK DAY OF MY LIFE



## EDUCATION

**PhD Degree**  
Thesis with Orange Labs and the Computer science Lab of Grenoble  
2014 – Ongoing Grenoble, France

**Master Degree**  
ECE PARIS, Graduate School of Engineering  
2009 – 2014 Paris, France

# PUBLICATIONS & CONFERENCES

## publications

Zouarhi S. (2017). « **KIDNER – A Worldwide Decentralized Matching System For Kidney Transplants**», *Journal of the International Society for Telemedicine and Ehealth (JISfTeH)*

Genestier P., Zouarhi S., Limeux L., Excoffier D., Prola A., Sandon S., Temerson J. (2017). « **Blockchain For Consent Management In The Ehealth Environment: A Nugget For Privacy And Security Challenges** », *JISfTeH*

Genestier P., Letondeur L., Zouarhi S., Prola A., Temerson J. (2017). « **Blockchain and Smart Contracts: perspectives for IoT and Healthcare** », *revue des Mines, August 2017*

Zouarhi S. (2016). « **Constrained Data Transmission with Critical Services in Healthcare** », *Med-e-tel Proceedings 2016*

Genestier P., Letondeur L., Zouarhi S., Prola A., Temerson J. (2016) « **Blockchained and IOT** », *Badim Winter 2016* « *Internet of Things, from hype to reality* »

Zouarhi S. (2015) . « **Constrained transmission of Critical Data** », *31<sup>st</sup> conference on Data mangement – Principles, Technologies and Applications (BDA) 2015*

## conferences

Zouarhi S. (2017) « **Critical Data and Blockchain, eHealth applications** », *The Big Block Theory (Paris, France)*

Zouarhi S. (2016) « **Confidentiality mechanisms for Critical Data on Blockchain** », *Ideas Days CEA (Grenoble, France)*

Zouarhi S. (2015) . « **QoS of complex systems for critical data transmission** », *IEEE-Healthcom Conference - 18th International Conference on eHealth, Networking, Application and Services (Munich, Germany)*

# PROJECTS

**Research project – Early-detection algorithm for diabetic retinopathy (image processing with Matlab)**

**BEIJING UNIVERSITY OF TECHNOLOGY** 北京工业大学

📅 Feb 2014 – Jun 2014

📍 Beijing, China

**Research project on predictive maintenance for complex systems such as military vehicles – Health and Usage Monitoring Systems (HUMS)**

**NEXTER SYSTEMS**

📅 May 2013 – Aug 2013

📍 Versailles Satory, France

**HomeNetwork – Home care telemonitoring system for elderly people to detect abnormalities with respects to the user routine (OS Contiki – COOJA – TELOS B Zigbee 802.15.4 – Labview)**

**ECE Paris**

📅 2012

📍 ECE Paris, France

**@Motion – Simulation tool for training with 3D object modelling and hand motion capture (Unity 3D, Leap Motion)**

**THALES AVIONICS & ECE Paris**

📅 Jan 2012 – Apr 2012

📍 Remote, Bordeaux

## MOST PROUD OF



### The Bridge

Imagining the world of tomorrow by working with a team of experts during a unique journey across the Atlantic with 3000 people.



### The Kidner Project

Helping people get a kidney transplant faster and safer through blockchain technology, cryptography and matching algorithms. [www.kidner-project.com](http://www.kidner-project.com)

## MEDIA



« Critical Data and Blockchain, eHealth applications », *The Big Block Theory* ([Youtube](#))

« Sajida Zouarhi, a PhD student takes us inside the universe of blockchain » (interview) : [Link](#)

« Blockchain is the answer, but what was the question? » ([Medium](#))