



Software Engineering since 1994



**Dr. Ciprian Cîndea**

**Fueled by Innovation, Quality, Delivery on Time**

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# OUR MISSION

We craft advanced software systems for exceptional business experiences.

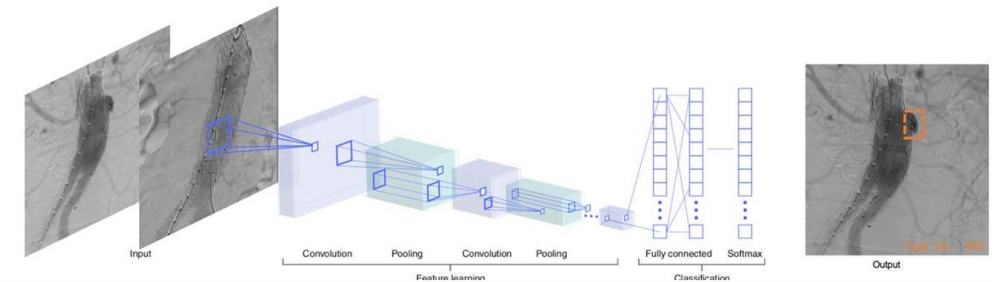
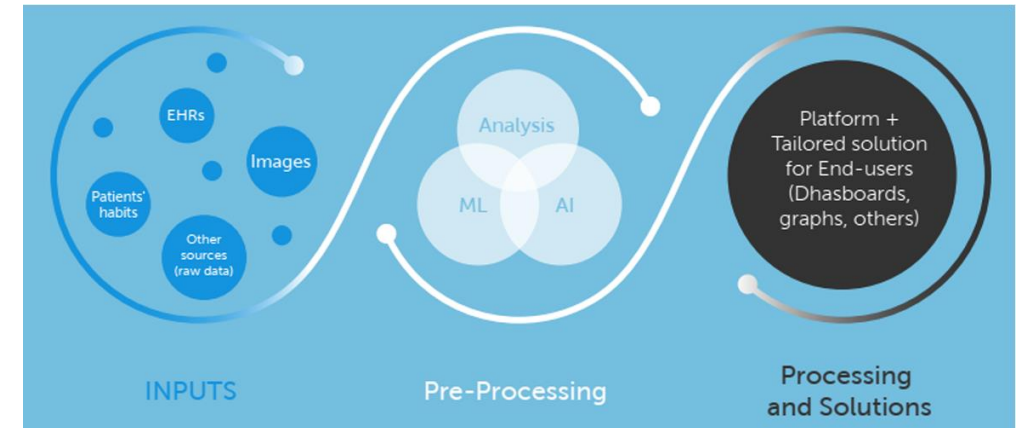
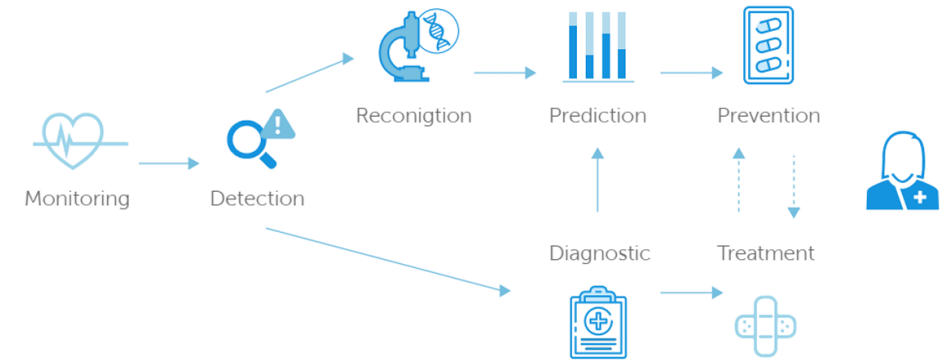
☐ on **TIME**

☐ at high **QUALITY**

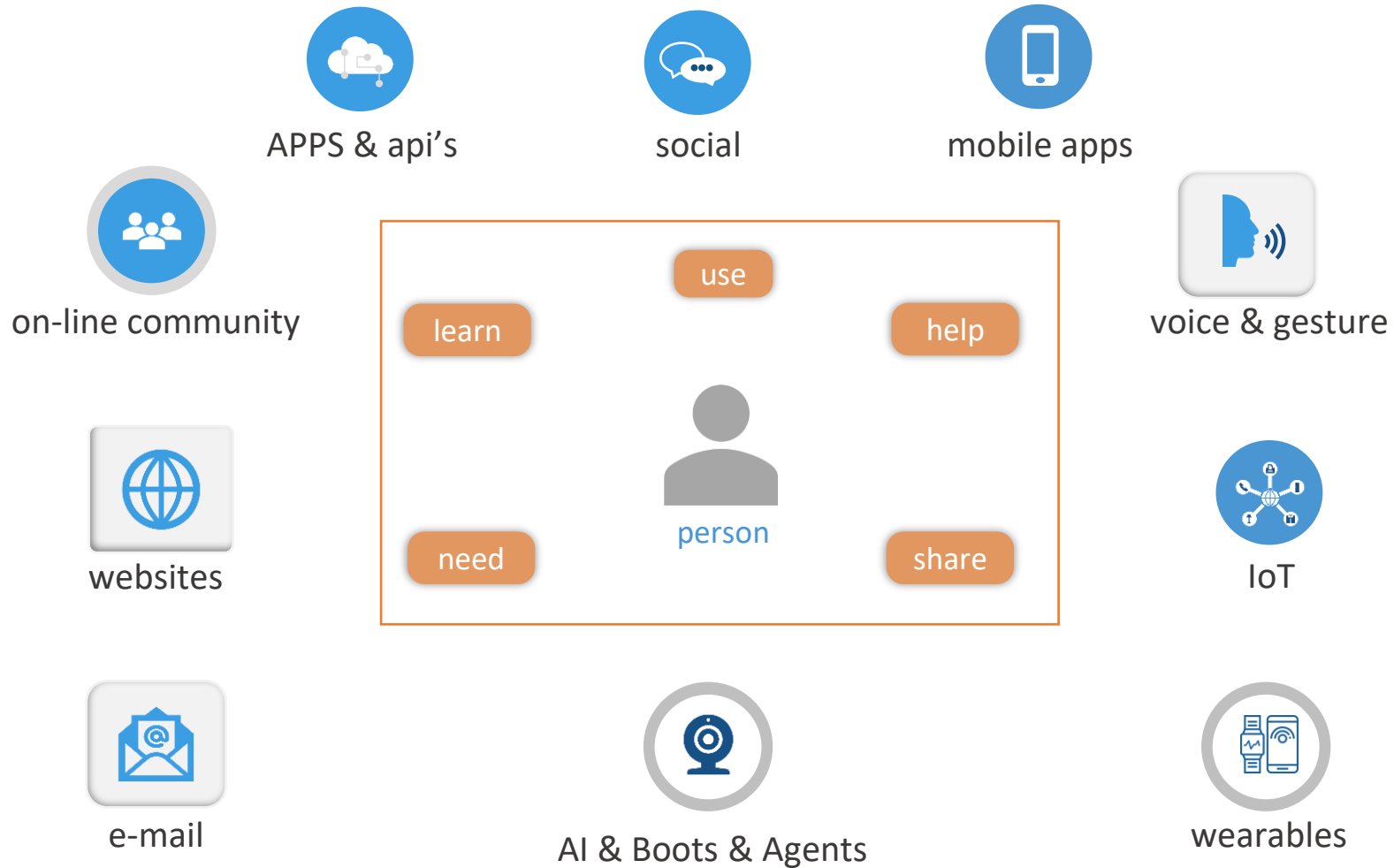
☐ with the right **BUDGET**

Today, technologies are ubiquitous in our daily lives, regardless of biological age.

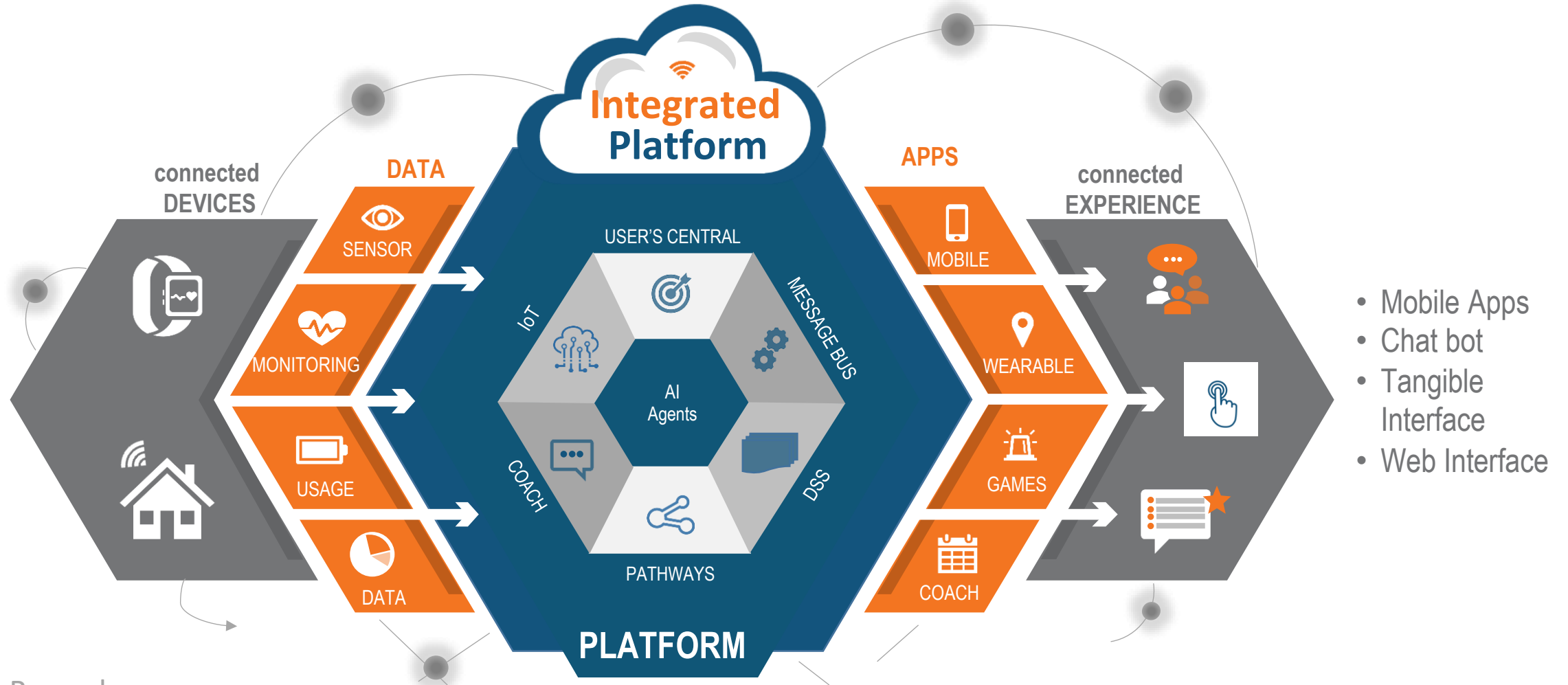
Health platforms investigated different technologies that are appropriated to be used and sustain ageing well.



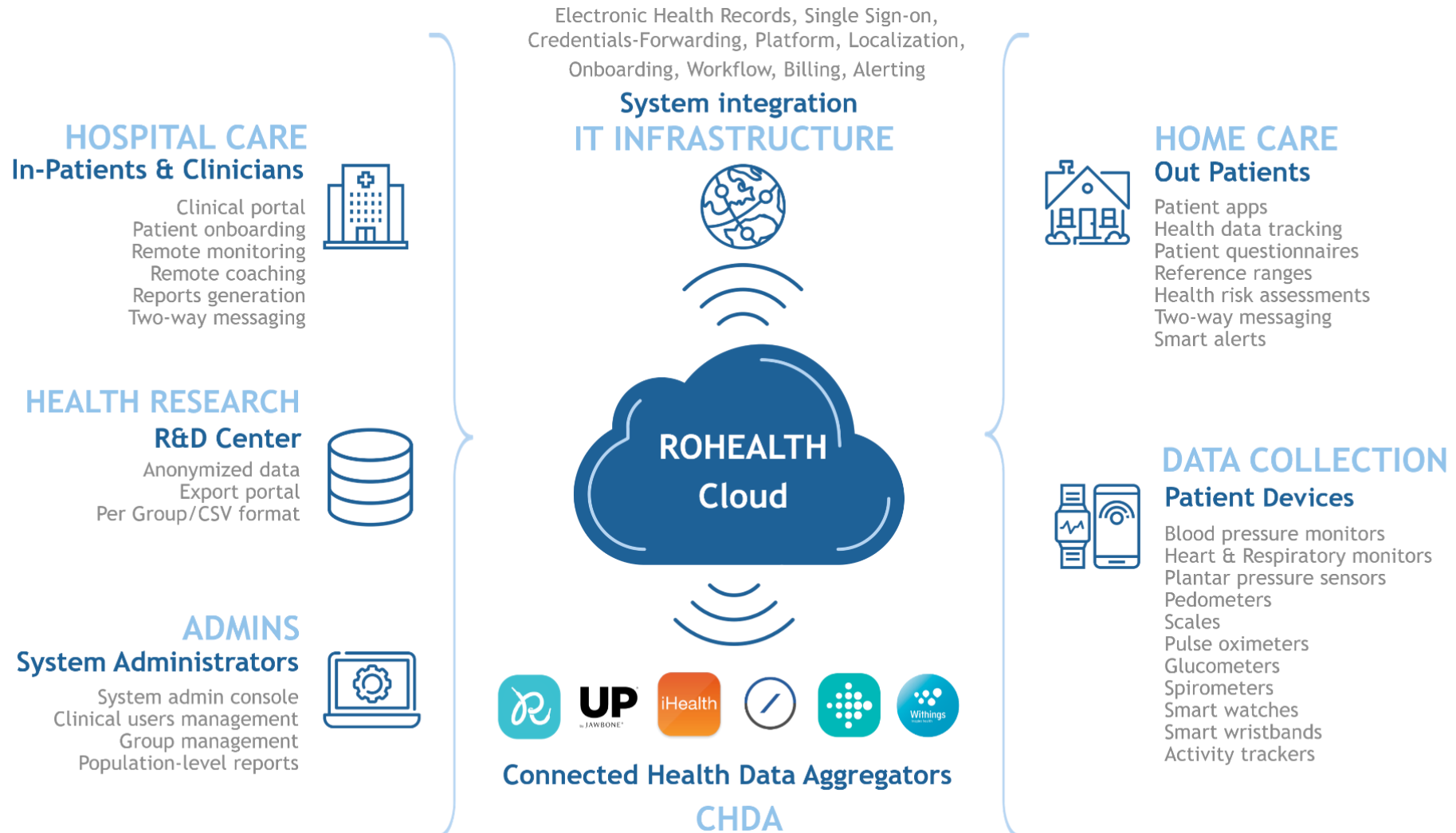
# User Journey



# Integrated Architecture



# Integrated Architecture



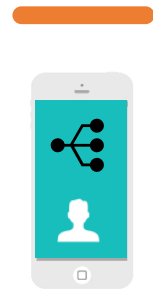
# Mix Components

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## WEB PORTAL

Access actual and historic data  
View reports and recommendations  
Social relations



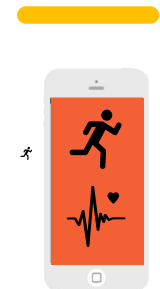
## MOBILE APPS

Interact with users  
Actual and historic data  
Social integration  
Games



## ANALYSES TOOLS

Based on the acquired data produce analyses  
User recommendations  
Apply different algorithms i.e. data mining / reasoning systems



## HEALTH COMPANION

Track different parameters  
Capture data from specific sensors  
Store health data on a user account



# Lesson Learned

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- Teamwork – Domain Experts must be with your Tech Team all the way
  - Early Develop and Maintain a common Ontology, between Domain Experts and Tech Team
  - Agile organization - **Sprint(s) and lesson learned sessions**
- Know the “Why” – 1) identify user needs , 2) do not super engineer your Tech Solution
- **Mobile apps that duplicate web content are pointless** (most of the time)
- Open source is the presence and future – use and give it back
- Never skimp on QA Testing
- Never stop learning

# What can be done different

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- Challenge : assess at the same time the efficacy and the user experience of the system
- Standardization to improve interoperability
- Management of the different smart phone OS version
- **Involving experts in using the whole system from the very beginning**
- Co-design process to be as deeper as possible
- **Reduce Complexity** – in many cases requires too many technologies and functions that may confuse users
- Multi-domain scope of the projects – generate complexity of the overall system from the tech side also is very (and likely too) high to leave individuals alone with it



# ROPARDO RESEARCH & INNOVATION CENTER

We convert our 30 years of R&D results into marketable software solutions



ROPARDO specializes in tackling challenging projects by leveraging knowledge-based systems, decision support systems, and cutting-edge technologies such as e-Health, IoT, Cloud, and Big Data.



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