

## **Joeri Nicolaes**

Computer scientist & PhD student

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### **Executive Summary**

Joeri is computer scientist in the IT Artificial Intelligence team at UCB Pharma where he performs research on computer vision problems in the medical imaging domain. He acquired technical, managerial and entrepreneurial skills in various industry positions that he has held over the past 10 years. He recently started a PhD at the ESAT/PSI department of the KU Leuven working on an industry research project collaborating with researchers globally. Joeri is passionate and a curious learner who loves spending his leisure time with his wife and 3 children.

## **Experience**

### **UCB**

**Anderlecht, Belgium**

#### **Computer Scientist**

**November 2016 – Present**

- Implementing a 3D Convolutional Neural Network prototype to locate and detect fractures in patient images
- Collaborating with academia experts in deep learning and medical image computing to learn and leverage state-of-the-art techniques

#### **Senior Enterprise Architect**

**November 2014 – October 2016**

- Co-developed Hadoop architecture ingesting social media streams to gain patient insights
- Developed Enterprise Architecture framework to rationalize Analytics capabilities within UCB

### **Parking Plaza**

**Zemst, Belgium**

#### **Co-Founder**

**July 2016 – October 2017**

- Founded start-up offering digital service for home users to rent their private parking place to visitors looking for a temporary parking spot ('airbnb for parking')
- Developed technical solution and tested prototype near soccer stadium

### **Siemens Enterprise Communications / Atos**

**Huizingen, Belgium**

#### **Head of Professional Services**

**April 2012 – October 2014**

- Led the operations team for BeNeFraLux region delivering over €15m yearly in software and services projects across a growing customer base
- Led the sales and bid development process for all services engagement and proposals between €100k to €5m+, focused on driving services profit (as sold prices) to achieve gross margin targets of over 35%
- Transformed the Resource Management Office managing 80+ Services employees and improving the utilization achievement across the Services BU
- Led the cross-functional Cloud team (sales design & pricing, marketing and communication, delivery team) resulting in successful launch of a Public Cloud via Walloon telco provider
- Led the Healthcare program to standardize the Design Blueprint, initiate the sales & marketing campaign & develop growth in that industry, reporting to BeLux board
- Innovated the Professional Services strategy (regionalization of services, technology partner sourcing, innovation focus through customized development, service partner offering)

## **Head of Consulting & Design**

**November 2010 – April 2012**

- Managed 8 Belgian Solution Architects driving their competence, capacity & performance management
- Led sales and bid development for the extension of the Solvay Unified Communications infrastructure into a global solution reducing communication costs by 15%

## **Solution Architect**

**June 2007 – October 2010**

- Achieved senior Voice SIP & Networking (CCNP) integrator expertise after 1 year
- Achieved a successful go live as Solution Architect for Danish Government on a complex private cloud solution for over 40,000 users
- Coached junior professional services and presales team members

## **Altran**

**Brussels, Belgium**

### **Consultant**

**September 2005 – June 2007**

- Business Project Manager at Mobistar, part of France Telecom Group
- Led fixed and mobile voice project within time & budget for national railway provider NMBS/SNCB, leading 15+ virtual team and managing all customer communication at CxO level
- Coached several junior team members

## **Education**

### **Katholieke Universiteit Leuven (Catholic University of Leuven)**

**Leuven, Belgium**

#### **Doctoral Programme in Engineering Science**

**September, 2018 – Present**

- Promotor: Prof. Vandermeulen (ESAT/PSI)
- Title: End-to-end learning of intensity features and anatomical priors from 3D patient images

### **Courses**

- Deep Reinforcement Learning Bootcamp, UC Berkeley, August 2017
- Machine Learning course, Andrew Ng, Coursera, online, 2014
- Venture Management course, RealAcad, Belgium, July 2010
- Creativity class, Vlerick Management School, Belgium, July 2009

### **Katholieke Universiteit Leuven (Catholic University of Leuven)**

**Leuven, Belgium**

#### **Master in Engineering, specialization in Biomedical Techniques**

**2000 – 2005**

- Master thesis and internship (Agfa Gevaert) in medical image analysis
- Graduated with Magna Cum Laude, top 5% in class

## **Additional Information**

- **Interests:** neuropsychology books; tennis player; soccer coach U9 (since 2017)
- **Languages:** native speaker of Dutch; fluent in English and French; notions of Spanish