

# Nathan Bijnsens

## INTRODUCTION

Name	Nathan Bijnsens
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I am Nathan Bijnsens, a software developer turned Solution Architect with a passion for Business, Cloud, the Internet of Things, Big Data and Artificial Intelligence. As the Lead Cloud Solution Architect for the European Union Institutions and NATO at Microsoft I help the European Union and NATO become a *Data Driven Government*. I drive customers initiatives, leveraging Microsoft AI on Azure to solve the biggest and most complex data and IoT challenges faced by Microsoft's strategic public sector.

As a solution architect I help my customers on their Digital Transformation journey. I guide my clients to Artificial Intelligence, share data more efficiently, and to become Data Driven. With a successful track record of building innovative systems in highly political and complex environments, I not only help on envisioning what data can do for business, I analyze, give recommendations, design architectures and help with data implementations.

My focus is on data analytics and building Big Data systems, especially real-time Big Data and messaging-based systems. I am actively developing applications on top of Spark Streaming, designing Lambda and Kappa-like architectures. I am experienced with Java, Scala, Functional Programming, Linux, DevOps, Containers and of course Cloud.

As part of my role as Lead Solution Architect, I coach and mentor my colleagues and set-out the strategy and go-to-market towards our strategic public sector customers.

I enjoy working with clients and partners, from giving advice, talking about the Business and Technological value of Big Data and Internet of Things, to Requirement Analysis. Working in an entrepreneurial, data driven, innovative environment gives me energy.

I am a passionate speaker and evangelist, on AI, Big Data, IoT and Cloud.

## EXPERIENCE

Since February 2016 I joined Microsoft, currently I am the Lead Cloud Solution Architect for the European Union Institutions and NATO. I drive customers initiatives, leveraging Microsoft AI on Azure to solve the biggest and most complex data challenges faced by Microsoft's strategic public sector. I position, advise, guide and implement architectures which help EUi and NATO become a *Data Driven Government*, enabled by Artificial Intelligence, more efficient Data Sharing and Cloud.

As part of my role as Lead Solution Architect, I coach and mentor my colleagues and set-out the strategy and go-to-market, work closely with external and internal stakeholders and partners.

Sr. Cloud Solution Architect, Data & AI

July 2019 - ...

Cloud Solution Architect, Advanced Analytics + AI

July 2017 - June 2019

Data Solution Architect

February 2016 - June 2017

As a Data Solution Architect I drive high priority customer initiatives, leveraging Cortana Intelligence on Azure to solve the biggest and most complex data and IoT challenges faced by Microsoft's enterprise customers. It is a technical, customer facing role, accountable for the end-to-end customer deployment and usage experience for cloud data and IoT services.

From October 2013 till January 2016 I worked for Virdata a start-up funded by Technicolor, as a sr. Big Data and IoT Engineer, previously as a DevOps Engineer. Virdata was an Internet of Things Cloud platform, scalable to millions of devices, from tiny sensors to TVs and Cars.

I worked on our Data Processing stack, on top of Spark and Spark Streaming, mostly in Scala. I also worked as the lead on our Spark as a Service offering.

From April 2012 till March 2014 I worked for DataCrunchers, as a Hadoop and Big Data Consultant. DataCrunchers was the leading Belgian consultancy firm around everything Big Data. I co-presented our Hadoop Ecosystem courses and I was responsible for our Microsoft Big Data partnership.

From March 2011 till April 2012 I worked for iController, as Lead Developer. We build a credit management SaaS application, written in PHP. I managed a small group of developers, took the lead on everything technical and coordinated with the directors, partners and clients.

From September 2010 till February 2011 I was employed at Netlog as a Big Data Engineer and Web Developer, creating an analytical data warehouse based on Hadoop and Hbase. I deployed the first Hadoop clusters and created large parts of the data processing infrastructure, using Hive and Hadoop Pig. I also advised on new technologies, git migration, best practices & unit tests.

From March 2007 till December 2014 I was the Consultant, Managing Director and founder of Servs BVBA; mainly active as a (part-time) IT consultant in the field of Big Data & Spark, Scala, web applications (PHP, sql, scalability, ...), Cloud, DevOps & Linux system administration and hosting applications.

For the full details, see [nathan.gs/cv](http://nathan.gs/cv).

## SKILLS



Languages

Dutch Mother tongue

English Very fluent

Other skills

In possession of a driver's license.

# EDUCATION

## Certificates

OpenHack : AI-Powered Knowledge Mining Coach  
Microsoft OpenHack | September 2020

OpenHack : Modern Data Warehousing Coach  
Microsoft OpenHack | March 2020

Azure Data Engineer Associate  
Microsoft | September 2019

Azure AI Engineer Associate  
Microsoft | February 2019

Event Speaker Silver  
Microsoft | February 2018

Perform Big Data Engineering on Microsoft Cloud Services (70-776)  
Microsoft | February 2018

Microsoft Global Challenger (Insight Selling)  
Microsoft | December 2017

LFCS: Linux Foundation Certified Systems Administrator  
The Linux Foundation | August 2017

MCSA: Cloud Platform - Certified 2017  
Microsoft | May 2017

Design and Implement Big Data Analytics Solutions (70-475)  
Microsoft | February 2016

## Education

Institute University of Antwerp  
Program Social-Economic Sciences  
Period 2005 - 2007  
Achieved Not Achieved

Institute Hibernia Steinerschool in Antwerp  
Program ASO, Higher Secondary education  
Period 1999 - 2005  
Achieved 2005