

Kjell Zijlemaker | Curriculum Vitae

Oostertuinen 63 – 1944 SC – Beverwijk

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As seen by colleagues Kjell worked with, he is known as an enthusiastic, driven and spontaneous person. He is always eager to learn new things and loves to dive into complex data problems. One of the main expertise Kjell has is to extract raw data using API's and use any tooling for transforming the data, making it a valuable asset for the business. Kjell's main goal is helping businesses to create business value out of raw data and enabling them to make data-driven decisions. In his spare time, he likes to go out and do Geocaching or watch movies/tv-shows at home.

Previous Employment

- Gemeente Amsterdam**
○ *Azure Data Engineer / Backend Engineer*

Amsterdam
July 2023 – recent

In my new role as Data Engineer, I work for WPI (Werk Participatie en Inkomen). My current activities include working on the migration from our Oracle Data warehouse to Azure. Furthermore, I also develop an API which will function as a generic central point (automation) for external clients to gather information about income and income limits for residents in Amsterdam that are in poverty.
- Gemeente Amsterdam**
○ *Azure Cloud / DevOps Engineer*

Amsterdam
July 2021 – recent

At the Municipality of Amsterdam I was responsible for creating a analysis service on Azure that was to be used by data scientist and data analysts. The focus of this service was the implementation of Azure Machine Learning. Because sensitive data was being used, a lot of time was invested to create a safe environment that was compliant by Security standards. We also used Azure DevOps for our DevOps lifecycle (CI/CD, ARM / Bicep) To successfully migrate our customers, I also gave demo's and helped on the Ops side (monitoring / support etc) on the Azure platform.
- Avanade**
○ *Junior Cloud / Data Engineer*

Utrecht
September 2020 – July 2021

At Avanade I was available for doing projects which ranges from migrations of on-premise environments to the Cloud, to the maintenance of large clusters of servers. Because I also have an interest in data and security, I also focused on these type of migrations and try to be of help whenever possible. In the field of data engineering, I was also actively doing projects ranging from back-end development to database migrations and setup. Furthermore, I also added focus on my skill-level in both my personal and technical skills, such as certification and communication skills.
- Gemeente Amsterdam**
○ *Junior Data Engineer*

Amsterdam
March 2020 – September 2020

At the municipality of Amsterdam it was my job to provide a safe analytical environment for Data Scientists and Data Analysts on the Microsoft Azure platform. The project group was responsible for both designing, implementing a PoC on Azure and planning the migration.
- Xomnia**
○ *Junior Data Engineer*

Amsterdam
Februari 2020 – September 2020

As a junior consultant I work for several assignments related to Data Engineering problems. This ranges from setting up a pipeline environment in the Cloud to setting up the underlying infrastructure. I also get trainings directly from Xomnia to support my future skillset.

- I&DT**
Researcher

Zaandijk
September 2019 – February 2020

At I&DT I focused on researching if quality indicators support decision making for patients within their Health Record System positively or not, and why this is the case. This was a graduation assignment for my Master, wherein I also helped to create a new course regarding quality indicators within my research.
- ProSystems**
IT System/Network administrator

Purmerend
Februari 2012 – 2016

I am responsible for all the managed IT that is running in this company. The company is 30 employees large. I did memorable projects for this company and completed two internships before working here.
- Tek Electronics**
Owner Company

Hoorn
March 2012 – March 2014

I was manager of my own company where we helped customers with technical problems but also made websites for customers. After two years, my companion and I decided to move on with other jobs.
- Sijmtronix**
Assistant System Administrator

Hoorn
July 2010 – August 2010

Worked in the summer after the internship of that year, helping customers with technical problems and fixing broken computers if needed.

Education

Academic Qualifications.....

- Vrije Universiteit Amsterdam / Universiteit van Amsterdam**
Master Computer Science
Track Big Data Engineering

Amsterdam
2017-2020
- University of Twente**
Premaster Computer Science
Calculus, Probability and Statistics, Algorithms, data-structures and complexity, Linear Algebra,
Academic Research Skills

Enschede
2016-2017
- Hogeschool van Amsterdam**
Bachelor System And Network Engineering
Advanced Networking, Advanced Systems, Advanced Programming, Architectures, Testing,
Professional Skills, Research Skills

Amsterdam
2014 – 2016
- Hogeschool van Amsterdam**
Propaedeutics System And Network Engineering
Intermediate Networking, Intermediate Systems, Intermediate Programming, Databases,
ITIL, Professional Skills

Amsterdam
2013 – 2014
- Horizon College**
MBO Level 3 and 4
CCNA, ITIL, ISyF, Basic Networking, Basic Systems, Basic Programming, Professional Skills

Hoorn
2009 – 2013
- VMBO Titaan**
, Business And Commerce

Hoorn
2005 – 2009

Notable Projects.....

- Computer Science Master Thesis:** *Using formalized indicators to determine the contribution of efficiency and quality in protocolized healthcare*
- HvA: Graduation Assignment:** *'The Internet of Things: How different Internet of Things Cloud Solutions are related to each other for giving advice to the clients of Avanade'*

My graduation project for obtaining my bachelors degree at the Hogeschool van Amsterdam was performed at Avanade. The key point of the graduation project was to get an overview for comparing different Cloud Solutions with each other. With this information, the strengths and weaknesses per Cloud Solution were made known and will gives insight offering new Cloud solutions to new customer of Avanade.

- **Veilige Analyse Omgeving** '*Creating a safe analysis platform for data scientist at the manucipality of Amsterdam*'

As part of my job at Xomnia, I helped the Municipality of Amsterdam in researching a new way for data scientist to gain new insights from exploratory datasets. In this project it was important that there was a low maintenance cost and easy to maintain. This was to be realized within Azure, but other companies were allowed for research. In the implementation we decided to follow the design of a JupyterHub, powered by a Kubernetes Cluster and connected to various stores for data within Azure. Furthermore, we used Data Factory for transferring data sources to the Azure platform for safe access.

- **Spar's Journey to the Cloud** '*Helping Spar with their journey to the Azure Cloud*'

At Avanade, I guided Spar with their Azure Cloud Foundation Journey, laying a solid infrastructure enabled with governance, Cloud essentials and the latest DevOps practices for future development of the Cloud infrastructure. The Azure Cloud Foundation will enable future project initiatives to follow a clear baseline on which these projects can build and expand upon.

Technical and Personal skills

- **Programming Languages:** Proficient in: Java, R, Python and Powershell
- **Worked with:** Big data analytics / Data Science (Hadoop, Spark, NLP, NoSQL), Networking (Windows server, several Linux distros, Cisco) and Networking collaboration (Sharepoint, Office 365, Lync)
- **Structured Query Languages:** MySQL and the management of MySQL and PostgreSQL
- **Software Skills:** Most MS Office products including MS project, Microsoft Visual Studio Code, Git, Azure / Azure DevOps
- **Operating System Skills:** Microsoft Windows / Linux and MacOS
- **Infrastructure on-premise skills:** Windows Server(from 2003 and further), Linux
- **Infrastructure Cloud skills:** Microsoft Azure and AWS, Azure Machine Learning, Azure Databricks, CI/CD, Azure DevOps, IAM, RBAC, Policies, Azure Networking / Firewall
- **General Business Skills:** Good presentation skills, good vocal skills, team worker while working in teams

Certificates

- AZ-900
- DP-900
- MS-900
- AZ-104
- AZ-400
- Scrum Developer (Scrum.org)

Interests and extra-curricular activity

- I have been helping students with study problems as a student assistant, at the HvA. In this function, I also attended introduction days where new students needed to take exams for applying to the HvA and

helping whenever needed.

- Student Assistant at the VU while doing my master thesis and helping bachelor graduates regarding their graduation project in the field of AI.