



Jan Eefting

Curriculum Vitae

Work Experience

01/2025– **Senior Consultant**, TMC, Eindhoven.

Present As a senior software and cloud engineering consultant, I continue to deliver innovative solutions across diverse client engagements, focusing on cloud architecture design, secure platform development, and agile implementation. My role involves architecting scalable infrastructure, optimizing deployment processes, and providing technical leadership on complex integration projects while maintaining the highest standards of security and performance.

01/2020 – **Senior Cloud and Software Engineer**, METISOFT.IO, Eindhoven.

Present – As an independent consultant, I leverage over 10 years of experience in cloud architecture, IoT development, and full-stack engineering to help organizations modernize their digital infrastructure. I specialize in designing secure, scalable solutions using Azure and AWS platforms, implementing DevOps practices, and delivering rapid prototypes that drive business value. My expertise spans web applications, data integration pipelines, IoT edge computing, and agile project delivery, etc., enabling clients to accelerate their digital transformation while maintaining security and performance standards.

- **Tools and frameworks** *AWS, Azure, Python, Terraform, Linux, Bash, Postgresql, Kanban*

07/2020– **Consultant**, ALTEN, Eindhoven.

12/2024 In my role as a consultant, I have been at the forefront of designing and developing secure digital platforms while fine-tuning their performance and introducing Agile methodologies. My responsibilities included extracting valuable insights from IoT devices, streamlining deployment processes for efficiency, full stack platform development, rapid prototyping, and ensuring the smooth flow of data integration. As an Azure Solutions Architect, I took the lead in a number of projects, with an unwavering focus on problem solving, security and top-notch performance. These experiences have highlighted my expertise in cloud engineering, IoT development, data integration, and software development, demonstrating my adaptability and proficiency as a consultant.

03/2022– **Full Stack Cloud Engineer**, NCJ VIA ALTEN, Eindhoven.

10/2023 As cloud engineer and security specialist I designed and built the infrastructure for a multi part cloud application and ensured compliance with stringent security requirements was met. With the azure cloud and devops suite I created automated infrastructure deployments, integration and unit testing, asset generation and application deployments. With a decentralized team I ensured that asynchronous communication and detailed documentation and aided in efficient and rapid development and product iteration.

- **Tools and frameworks** *Azure, Bicep, Azure Devops, Kanban, bash, PowerShell*

Residence – Eindhoven

✉ jan@eefing.io • 📄 eefing.io

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- 03/2022– **Full Stack Cloud Engineer**, ONEPLANET RESEARCH VIA ALTEN, Wageningen.
 10/2023 As a Full Stack Cloud Engineer at OnePlanet Research, I was instrumental in designing and developing a digital platform and ecosystem. This platform catered to entrepreneurs and organizations in healthcare, sustainable agriculture, and food sectors. It provided a secure environment organizations to share data with signed agreements and analyse the data through integrations with various external services. My role involved designing, implementing and maintaining the cloud-based application and infrastructure for optimal performance, high availability, and the implementation of variuos integrations with external systems. Additionally, I introduced Agile and Scrum methodologies and provided coaching and training to improve team efficiency.
- **Tools and frameworks** *Dotnet-core, Azure, Terraform, Azure Devops, Python, PostgreSQL, Auth0, React, SCRUM*
- 12/2022– **Azure IoT Developer**, BLUE RADIX VIA ALTEN, Rotterdam.
 12/2022 As an Azure IoT Developer at Blue Radix, my focus was on extracting log information from Azure IoT Edge devices deployed globally. This data provided insights into production environments and allowed users to proactively provide customer care and do maintenance. I designed and implemented an efficient system for collecting and sharing log data. This information was made accessible to analysts and account managers, with an emphasis on knowledge transfer to internal developers.
- **Tools and frameworks** *Python, Azure, Azure Functions, Log Analytics, Azure IoT Edge, Kanban, Docker*
- 06/2021– **Azure Devops/IoT Developer**, BLUE RADIX VIA ALTEN, Rotterdam.
 10/2021 At Blue Radix, I automated and improved the build and deployment process for Azure IoT Edge modules to improve time to market and reduce service disruptions during deployments of critical systems. This involved creating Azure DevOps Pipelines, minimizing code duplication by introducing packaging, refactoring existing edge modules, efficiently building images, and establishing efficient deployment pipelines.
- **Tools and frameworks** *Kanban, Azure Devops, Bash, Azure IoT Edge, Linux, Docker, Python*
- 12/2020 – **Azure Solutions Architect/Developer**, SHIMANO ICT VIA ALTEN, Eindhoven.
 12/2021 In my role as an Azure Solutions Architect and Cloud Engineer at Shimano ICT, designed, developed, and supported existing data integration pipelines connecting on-premises ERP systems with external systems using Azure. These pipelines supported batch and real-time solutions for a 24/7 E-Commerce platform as well as various internal order management systems, with a focus on security, availability, and performance. Azure DevOps was used for building and releasing pipelines.
- **Tools and frameworks** *Kanban, Azure Data Factory, Azure Functions, Azure Devops, Python, C#, PLSQL, Azure API Management*
- 09/2020 – **Azure IoT Developer**, SPIERINGS CRANES VIA ALTEN, Oss.
 11/2020 At Spierings Cranes, I developed an IoT solution to unlock telemetry data from mobile cranes. This solution also enabled secure remote configuration of crane parameters via Azure IoT. I set up the IoT environment, created Azure IoT modules, and established digital twins for Siemens PLCs. I also prototyped modules to allow OTA firmware updates for various crane drive trains.
- **Tools and frameworks** *C#, Azure Devops, Azure IoT Edge, Bash, Python, PLC, Docker*

- 01/2020 – **Freelance Cloud and Software Engineer**, METISOFT.IO, Eindhoven.
- 06/2020 As a Freelance Cloud and Software Engineer, I presented technical proposals, conducted requirement analysis, managed projects, developed prototypes and software solutions, and provided training on data and database management. I enabled clients to unlock data insights and empowered them through training sessions.
- **Tools and frameworks** *Amazon Web Services, Python, Flask, Linux, Bash, Elastic Search, Postgresql, Kanban*
- 09/2017– **Backend and Cloud Engineer**, PTTRNS.AI, Eindhoven.
- 12/2019 At PTTRNS.ai, I contributed to AI, Data Science, and AR/VR projects, including a perfume recommendation service and a digital currency trading bot. My responsibilities included presenting technical proposals, managing projects, providing technical guidance, configuring cloud infrastructure, and investigating and implementing projects, rapidly building prototypes for various clients. These projects required running and integrating different kinds of ML algorithms, creating and maintaining dashboards, data pipelines, Flask applications and APIs hosted on AWS or GCP. In addition I was responsible for general support for the team, devops, sysadmin related tasks, technical coaching and support, workshops and presentations as well as conducting interviews with applicants.
- **Tools and frameworks** *Linux, Python, AWS, Flask, HTML, CSS, Tensorflow Serving, Tensorflow, grpc, Kanban*
- 09/2015– **Backend Developer**, GREENHOUSE GROUP, Eindhoven.
- 08/2017 As a member of a scrum team I work on SaaS product called BaaS. A platform used by multiple organizations to administrate digital marketing campaigns and provide a centralized location for insights and information to assist marketers in steering campaigns to achieve maximum impact. My work involved the design, implementation and maintenance of data pipelines to collect and aggregate large amounts of data with complex workflows written in python using tools such as luigi and pyspark and EMR. The main web application providing statistics, configuration and reporting is a monolithic flask application hosted on Heroku with a small number of supporting services using numerous AWS services such RDS, S3 and Lambda.
- **Tools and frameworks** *AWS, Python, Flask, Luigi, Elastic Search, Postgresql, Docker, rabbitMQ, Agile Scrum, pyspark, Heroku*
- 02/2014– **Backend Developer**, GREENHOUSE GROUP, Eindhoven.
- 08/2015 Starting as a part time developer during my studies and later full time at the Greenhouse Group, I supported marketing and BI teams by contributing an in-house SaaS platform, building API's to support marketing campaigns. My responsibilities included implementing features, managing ETL processes, configuring cloud infrastructure, and achieving significant improvements in data processing.
- **Tools and frameworks** *Linux, AWS, Python, Flask, Luigi, Elastic Search, Postgresql, Snowplow Analytics, Agile Scrum*

Education

2012–2015 **Bachelor ICT Software Engineering**, *Fontys Hogescholen*, Eindhoven, .

Certifications

AWS AWS Developer - Associate(expired 2023)
AWS AWS Solutions Architect - Associate(expired 2023)
AWS AWS Cloud Practitioner (expired 2023)
Azure Cloud Fundamentals
Agile PSM1

Languages

Afrikaans **Native**
English **Native**
Dutch **Advanced**

Nationalities

Nederlands
South African