

My name is **Michael Aicher** and I'm pleased to present you my **skills & experiences** and tell you a little bit more about myself.



More about Michael Aicher at <https://mi.chael.ch/cv>

About me

I have about eight years working experience as System / Cloud Engineer, or as I prefer to call it Platform Engineer. During this time I have been working for two companies, Netcloud AG (current employer) and foryouandyourcustomers in Vienna, Austria and Zurich, Switzerland, but let's start a little bit earlier. Originally, I'm from Munich, Germany where I have finished school with the Bavarian Abitur. After this I moved to Vienna to study „Computer Science“ as bachelor's degree and „Telecommunications and Internet technologies“ as master's degree. Although the master was part-time I managed to work full-time. In August 2016 I moved to Zurich, to live closer to my family and to experience the challenge of living in a new city. Since August 2020 I live in Winterthur to balance out the permanent work from home situation with a lovely flat and a small garden.

What I like most about Switzerland in general and Zurich in particular is the high quality standard in all regards and of course the beautiful countryside with the lake and the mountains nearby which reminds me a lot of where I grew up.

Work

**September
2021 - Today**

Netcloud AG, Cloud Engineer, consulting our customers on their journey leveraging AWS. Creating the best fitting AWS architecture, picking the right AWS services and evaluating the best suitable path to migrate their existing infrastructure to the cloud. Furthermore, I ensure they can follow best practices and benefit from the most automation possible by implementing their new solutions with Terraform and providing of self-service options.

Technologies: AWS (EC2, S3, IAM, SSO, Cloudwatch, Stepfunction, Lambda, RDS, Route53, APIGateway, VPC and many more), Ansible, Terraform, Git, SAP Commerce, Factfinder, httpd, MySQL, Cassandra, Tomcat, Docker, AWX, Kubernetes, GitLab-ci, Jenkins, Linux (CentOS, Ubuntu), Elasticsearch, Logstash, Kibana, Prometheus, Zabbix, Shell Scripting, Python

Don't do anything more than once. Figure out how to do things and then automate them.

„Michael Aicher supports us in the continuous development of our eCommerce platform. In addition to his broad technological know-how, I particularly value the pragmatic cooperation and our common aspiration to find new and forward-looking solutions.“

René Hämmerli, in his role as Team Lead E-Platform Development, Distrelec Group AG

August 2016 - August 2021

foryouandyourcustomers Zurich AG, Senior System Engineer, consulted customers on their transition to a cloud ready company. I helped them to find the best architecture for their (cloud) infrastructure and supported them in the migration from OnPremise solutions to (private) cloud environments. Furthermore, I implemented their new solutions with configuration management tools like Ansible or Terraform and supported them to get their services up and running in kubernetes.

Technologies: AWS, Azure, Ansible, Terraform, Puppet, Git, SAP Commerce, Factfinder, Traefik, httpd, MySQL, Stibo STEP, Cassandra, Tomcat, Docker, Docker-Compose, AWX, Kubernetes, GitLab-ci, Jenkins, GitHub Actions, Linux (CentOS, Ubuntu), Varnish, Solr, Elasticsearch, Logstash, Kibana, Grafana, Prometheus, Zabbix, collectd, graphite, Shell Scripting, VMWare Director, JBoss, OpenVPN, kubernetes

May 2014 - July 2016

foryouandyourcustomers Vienna GmbH, Middleware Engineer, supported and developed the OnPremise and Cloud environments including the management of them with puppet for our customers. Additionally, I was responsible for the further development and operation of the cloud infrastructure of all our internal services likes Confluence, Jira and our company website.

Technologies: AWS, Puppet, Ansible, Git, SAP Commerce, Factfinder, httpd, MySQL, Tomcat, Jenkins, Linux (CentOS, Ubuntu), Varnish, Elasticsearch, Logstash, Kibana, Grafana, collectd, graphite, Shell Scripting

February 2014 - April 2014

foryouandyourcustomers Vienna GmbH, internship Mobile Developer, responsible for the Google Analytics implementation and the the automated UI testing of the (at this time) new iOS & Android App for the biggest B2B e-commerce shop in Switzerland.

Technologies: ObjectiveC, GoogleAnalytics, Java, Git, SCRUM

Education

September 2014 - June 2017

University of Applied Sciences Technikum Wien, Master of Science in Engineering (M.Sc.) in Telecommunications and Internet Technologies with specialisation area IT security in the master exam

Master Thesis: „Automatic server configuration and how CI/CD can be used in the infrastructure area“
Comparison of Ansible, Chef, Puppet and Salt with a proof of concept how to continuously test and deliver infrastructure as code

Participation in trainings and certification of my skills is something I like to do regularly and already did successfully for Puppet, Elastic-Search and Stibo STEP.

**September
2014 - June
2017**

University of Applied Sciences Technikum Wien, Master of Science in Engineering (M.Sc.) in Telecommunications and Internet Technologies with specialisation area IT security in the master exam

Master Thesis: „Automatic server configuration and how CI/CD can be used in the infrastructure area“

Comparison of Ansible, Chef, Puppet and Salt with a proof of concept how to continuously test and deliver infrastructure as code

**September
2010 - June
2014**

University of Applied Sciences Technikum Wien, Bachelor of Science in Engineering (B.Sc.) in Computer Science with specialisation on web and mobile development

Bachelor Thesis I: „Comparison of Google Maps, Apple Maps and OpenSource Maps service implementation in iOS“

Bachelor Thesis II: „UI automated testing of iOS applications“

**September
2001 - July
2010**

Carl-Spitzweg-Gymnasium Germering, Abitur with Abitur levels in mathematics, economics & law, english and history.

Skills

> 7 years / expert experience

Linux (CentOS, Ubuntu), Amazon Web Services, Puppet, MySQL, Apache Webserver, Confluence / Jira, GIT, SCRUM / Kanban, System Monitoring, SAP Commerce (Hosting), Tomcat, Shell Scripting

~ 5 years / senior experience

Ansible, Gitlab-CI, Varnish, ELK (Log Analysis with elasticsearch, Logstash / Filebeat, Kibana), Jenkins, Factfinder (Hosting), Stibo STEP (Hosting), collectd, graphite, grafana, openVPN

~ 3 years / professional experience

Microsoft Azure, Docker, Docker-Compose, AWX (Ansible Tower), Gitlab-ci, Windows, Project management, Cassandra, Traefik, Zabbix, Solr (Hosting), Gradle / Maven / Ant

~ 1 years / junior experience

Kubernetes, Terraform, CloudFormation, Python, VMWare Director, Prometheus, Github-Actions, JBoss, SaltStack, Chef, Sonar

In my free time I enjoy travelling, relaxing with a round of golf, or by cycling with my race bike. I also like reading the latest tech news and to attend tech meet-ups and conferences.

Project Excerpts

„Even the longest journey
begins with a first step.“
Konfuzius

leading distributor of electronic and technical products

Migration of SearchEngine and utility services from onPrem to AWS and connection with SAP Cloud

Responsibilities:

- Architecture of Infrastructure
- Implementation of Infrastructure
- Project lead in cooperation with customer
- Technical consultancy
- Ongoing training of customer employees
- Operation & maintenance

Technologies:

AWS (Ec2, ALB, ECR, Cloudwatch, S3, SystemsManager), Ansible, Factfinder, AWX, Gitlab, Jenkins, Docker, Shell Scripting, httpd, tomcat8, MySQL, Zabbix, Sonar, Confluence / Jira, SCRUM, racoon / ipsec-tools, ELK (elasticsearch, logstash + filebeat, kibana), Cassandra, CentOS, Debian

German market leader in the area of wholesale delivery (owned by swiss retail / wholesale company)

Implementation of SAP Commerce Shop in private cloud with preparation for migration into Microsoft Azure

Responsibilities:

- Architecture of Infrastructure
- Implementation of Infrastructure
- Project lead for Infrastructure
- Technical consultancy
- Operation & maintenance

Technologies:

Ansible, SAP Commerce, Solr, Traefik, Kemp Loadbalancer, JBoss, Docker, Prometheus, Grafana, loki, httpd, MySQL, Ant, Gitlab-ci, Terraform, VMWare Director, Microsoft Azure, Ubuntu, Scrum

Swiss B2B fittings and tools trading company (top 10 selling b2b online shops 2020)

Implementation and operations of SAP Commerce shop on premise

Responsibilities:

- Architecture of Infrastructure
- Implementation of Infrastructure
- Project lead for Infrastructure
- Technical consultancy
- Operation & maintenance
- Ongoing further development

Technologies:

Puppet, SAP Commerce, Solr, Varnish, Pound, Docker, collectd, graphite, Grafana, Ant, ELK (logstash, elasticsearch, kibana), httpd, MySQL, Jenkins, imageMagick, CentOS, Scrum

**Consultancy
agency**

Modernisation of internal service landscape

Responsibilities:

- Architecture of Infrastructure
- Implementation of Infrastructure
- Project management / Scrum Master
- Operations & maintenance
- Further development
- Training of customer employees

Technologies:

AWS (Ec2, ECR, Cloudwatch, S3, Cloudfront, EKS, AWS Lambda, SNS, SES, API Gateway, ACM, Route53, IAM, RDS), Terraform, OpenVPN, kubernetes, immutable infrastructure with AMIs, Confluence, Jira, Github Actions, Stibo STEP, Scrum

Languages

	mother language	business fluent	basic
	German	English	French