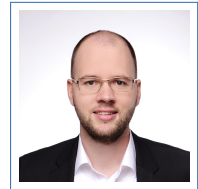


# Mathias Ewald

Cloud Platform Adventurer

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*Do what you love and they will love what you do.*

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## Professional Experience

- 2020–tdy **Solutions Engineer, VMware, Vienna**  
Leveraged extensive experience in Cloud Foundry and Kubernetes from Pivotal to manage high revenue customers across retail and finance sectors. Specialized in identifying customer pain points through process analysis, designing tailored solutions from the Tanzu portfolio, and leading proof-of-concept projects with cross-functional customer teams.
- 2018–2020 **Solutions Architect, Pivotal, London**  
Actively engaged in deploying and configuring Pivotal software solutions, including Pivotal Cloud Foundry (PCF) and Pivotal Container Service (PKS), focusing on enabling customer self-sufficiency. Played a pivotal role in educating customer teams on best practices and agile methodologies, ensuring seamless transition and autonomy post-deployment. Fostered strong customer relationships through hands-on training and support, contributing to the sustainable success of Pivotal's professional services.
- 2017–2019 **Co-Founder, Head of Operations, Meshcloud GmbH, Frankfurt a.M.**  
Spearheaded the acquisition of Volkswagen as the inaugural paying client, skillfully translating their business requirements into our solution. Led operations for our public SaaS offering, built on OpenStack, setting a strong foundation for the company's growth and operational excellence.
- 2015–2018 **Co-Founder, Solutions Architect, evoila GmbH, Mainz**  
Pioneered the establishment of an open-source focused team in Nuremberg, driving customer acquisition, project staffing, and ensuring customer success. Actively collaborated with key clients, including Volkswagen, VWFS, and eBay, to deliver tailored solutions and foster strong partnerships.
- 2008–2015 **Freelancer, Nuremberg**  
During my Bachelor's studies, I developed a keen interest in virtualization, particularly with VMware vSphere, which quickly blossomed into a passion for becoming an expert in the field. This enthusiasm led me to actively participate in project work, as well as to conduct workshops and training sessions as a freelance consultant. I broadened my expertise by delving into open-source virtualization technologies, such as KVM and XenServer, thereby enriching my portfolio of services.

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## Languages

German Primary fluency  
English Full professional proficiency

*Native speaker.*  
*Primary working language.*

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## Certifications

SML Supervised Machine Learning (Standford ONLINE)  
ALA Advanced Learning Algorithms (Standford ONLINE)  
CKA Certified Kubernetes Administrator (The Linux Foundation) (exp.)  
CKAD Certified Kubernetes Application Developer (The Linux Foundation) (exp.)  
CCNA Cisco Certified Network Associate (exp.)  
VCP-DA VMware Certified Advanced Professional - Datacenter Virtualization (exp.)  
VCP-DV VMware Certified Professional - Datacenter Virtualization (exp.)

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## Education

- 2025 **Master Sc.**, *Fernuniversität Hagen, Computer Science*  
Pursued a Master in Computer Science at Fernuniversität Hagen, nearing completion with only two modules and the thesis remaining. Despite a hiatus to focus on significant professional advancements, I maintained an outstanding academic record. Committed to resuming and concluding the program by 2025.
- 2010 **Bachelor A.**, *Friedrich-Alexander Universität Erlangen-Nürnberg*,  
My Bachelor's degree in Business Information Systems provided me with a solid foundation in economics and business principles, skills that continue to be invaluable when engaging with C-level executives among my clientele. Recognizing my desire for a deeper technical expertise, I simultaneously pursued a more technically-oriented professional role and later embarked on a Master's degree in Computer Science to further enhance my technical proficiency.
- 2006 **High School Diploma (Abitur)**, *Gymnasium, Pegnitz*,  
Graduated with a High School Diploma, specializing in Mathematics, English, Economics, and Biology.

## Technical Skills

Throughout my career, I have engaged with a diverse array of tools, technologies, and products. While my experience spans a broad spectrum, the following list represents the core competencies that I have developed and consistently leveraged in a professional setting.

|                |        |                |  |
|----------------|--------|----------------|--|
| Cloud Stacks   | ■■■■■  | GCP            | <i>Google Cloud Platform</i>                                   |
|                | ■■■ ■  | AWS            | <i>Amazon Web Services</i>                                     |
|                | ■■ ■■  | Azure          | <i>Microsoft Azure</i>   |
|                | ■■■■■  | VMware         | <i>VCF, TAS, TAP, TKO</i>                                      |
|                | ■■■ ■  | OpenStack      | <i>≤ OpenStack Newton release</i>                              |
| Coding         | ■■■■ ■ | Spring         | <i>Spring Boot, Spring Data/Cloud</i>                          |
|                | ■■■■ ■ | Angular        | <i>&gt; Angular 2</i>  |
|                | ■■■ ■  | Python         | <i>≥ 2.7</i>   |
| Infrastructure | ■■■■■  | Virtualization | <i>KVM, vSphere</i>  |
|                | ■■■ ■  | Linux          | <i>Debian, RHEL, Ubuntu</i>                                    |
|                | ■■■■■  | Container      | <i>Docker, Kubernetes</i>                                      |
|                | ■■■■ ■ | Networking     | <i>Switching, Routing, Firewalls, Load Balancing, VPN, SDN</i> |
|                | ■■■ ■  | Storage        | <i>SAN, iSCSI, NFS, Ceph, GlusterFS, NetApp</i>                |
| Automation     | ■■■ ■  | Ansible        | <i>Contribution to OpenStack Kolla</i>                         |
|                | ■■■■■  | Terraform      | <i>GCP, AWS, vSphere, NSX, OpenStack</i>                       |
|                | ■■■■■  | Concourse CI   | <i>Mostly for platform automation</i>                          |
| Observability  | ■■■ ■  | Elasticsearch  | <i>Platform and app logging</i>                                |
|                | ■■■■■  | Prometheus     | <i>Kubernetes and app monitoring</i>                           |
|                | ■■■■■  | Grafana        | <i>with Prometheus</i>   |
| Middleware     | ■■■ ■  | RDBMs          | <i>PostgreSQL, MySQL, CloudSQL</i>                             |
|                | ■■■■ ■ | NoSQL          | <i>MongoDB, Redis</i>  |
|                | ■■■■ ■ | Messaging      | <i>RabbitMQ, MQTT</i>  |

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## Personal Projects

- MeanStream** As a Pre-Sales Engineer, I enhanced remote presentation experiences by utilizing Blackmagic Design HDMI switchers, leading to the development of an online service for managing switcher configurations. This platform allows users to design scenes and auto-generate macros for seamless transitions, including animations. Built with Spring, Angular, and MongoDB on Google Cloud Platform, the service is designed for scalability and reliability, and is currently available for free, showcasing my dedication to improving digital presentation tools and ability to develop software using modern frameworks and tools. <https://meanstream.io>
- DomotiK8s** Leveraging my expertise in software development and my comprehensive knowledge of Kubernetes, I initiated and developed an innovative home automation system named DomotiK8s. This project, which I have made available on GitHub, represents a pioneering effort to extend the Kubernetes API to address and surpass the limitations found in existing smart home automation systems like Home Assistant and OpenHab. Through DomotiK8s, I have successfully combined cutting-edge technology with practical home automation needs, showcasing my ability to innovate and apply advanced technical skills to real-world problems. <https://github.com/domotik8s>

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## Interests

- Smart Home** When our house was built, I had it fully equipped with KNX bus. Today I enjoy fine tuning that installation and adding new functionality on top using Home Assistant and NodeRED running on my private Kubernetes cluster.
- AI/ML** I am deeply passionate about machine learning and artificial intelligence, focusing on the mathematics, algorithms, and MLops necessary for implementing and managing ML systems. My knowledge in this area has grown through self-directed online courses and reading. I am eager to further my expertise by pursuing a master's degree in this field after completing my current studies.
- Athletic and Sports** A lifelong commitment to basketball, complemented by experiences in golf and volleyball, has instilled in me a strong sense of teamwork, discipline, and strategic thinking. Despite stepping back from some sports due to a back injury, I continue to actively participate in basketball and maintain my fitness through running.
- Music** I learned to play the piano as a child but only occasionally play the guitar, today.