

# Emilia Matz

## Contact Information

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## Professional Experience

### Otto GmbH&CoKG

10/2024 - today

#### Software Developer

Team Hopper is responsible for the real time auctions of sponsored product ads at Otto.

- Standardized and accelerated onboarding in a small but growing 3-person team.
- Assumed responsibility as “god parent” for key features like “Keyword Targeting”
- Identified the need for “Custom Pacing,” collaborated with analysts and stakeholders to define it, and independently designed and implemented the feature from concept to production.
- The solution was adopted as a strategic roadmap foundation by the team.
- Contributed to systems generating tens of millions of euros annually.

Skills: Kotlin · Github Actions · Vue · AWS · Docker · Python

### superluminar

04/2024 - 07/2024

#### Senior IT-Consultant

At one of Germany’s largest online retailers for sports equipment.

- Migrated 12 legacy PHP apps from small cloud providers to AWS as part of MAP.
- Containerized pet VMs, consolidated databases, and deployed on ECS.
- Completed end-to-end migration in under 6 weeks with part-time client engagement.
- Achieved ~60% cost savings and improved security, reliability, and reproducibility.
- Leveraged high automation to accelerate delivery and reduce manual overhead.

Skills: CDK · AWS · ECS · Docker · TypeScript · Python · Gitlab CI

### Netlight

10/2021 - 03/2024  
various positions

#### Senior DevOps Engineer

- Helped a newly formed platform team get up-and-running
- Migrated to a new Kubernetes logging stack and upgraded the foundational cluster infrastructure.
- Took on standalone infra projects to reduce load on the core platform team.
- Aligned closely with the tech lead to balance technical and strategic direction.

10/2023 - 03/2024

Skills: Ansible · Datadog · CentOS · Splunk · ELK · AWS · Python · Jenkins · Kubernetes

02/2023 - 09/2023

#### Technical Designer at Otto

- Co-led one of 70, 10-person interdisciplinary teams building a digital twin of a large supply chain.
- Designed system architecture and collaborated with 70 other teams
- Improved system performance 30x and reduced costs by 30% within 3 months.
- Took over team rebuilding after half the developers left, ensuring delivery continuity.

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Skills: Apache Kafka · Spring Boot · GCP · Python · Node.js · MongoDB · Java · JavaScript

10/2022 - 01/2023

## Techlead

- Initiated and led a project turning a hackathon win into a lasting internal product.
- Built a Neo4j-based knowledge graph to explore internal company data.
- Managed a rotating team of consultants, with a focus on teaching and mentoring.
- Enabled interactive data exploration around consultant profiles and project history.

Skills: Neo4j · NLP · AWS · Python · Gitlab CI

10/2021 - 10/2022

## ML-Engineer

- Built and deployed an MLOps pipeline for predictive maintenance in 3 weeks.
- Designed architecture, CI/CD, data pipelines, and APIs for ML model serving.
- Developed serverless and containerized Python APIs for internal and partner use.
- Collaborated tightly with data scientists to bring models into production.

Skills: AWS · Python · Sagemaker · GitlabCI · Docker · Terraform

## DVZ-MV

03/2021 - 09/2021

### Master Thesis:

“Development and Implementation of a Framework for Simulating the Behavior of a Software System under Load”, Grade: 1,0

03/2019 - 09/2020

**Bachelor Thesis:** “Usage of Self-Contained Systems in the Electronic Application Assistant of the MV-Serviceportal“, Grade: 1,0

### Working Student:

Technical Support of an internal project aimed at the adoption of Docker and Kubernetes based workflows for E-Government Applications, based on the results of the internship.

09/2018 - 02/2019

### Internship:

- Developed and deployed a full OpenShift-based CI/CD pipeline.
- Achieved 60% shorter lead times vs. the legacy system.
- Created a proof of concept that drove a company-wide shift to containers.
- Standardized Docker/Kubernetes-based workflows later adopted company-wide.

Skills: Java · Python · Jenkins · Docker · Kubernetes · Openshift · Selenium · Artifactory

## HS-Wismar

03/2018 - 09/2018

### Student Assistant

Back-End Engineer - Stud.IP

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## Education

09/2016 – 09/2021	University of Applied Sciences Wismar M. Sc. Applied Computer Science Grade: 1,3, Top of the Class B. Sc. Applied Computer Science Grade: 1,5, Top of the Class
09/2015 – 08/2016	Industrial Clark Apprenticeship at Foodlogistik GmbH
08/2011 – 07/2015	Geschwister-Scholl-Gymnasium Bützow

## Skills:

Programming	Python, Java, JS / TS, Go, PHP
Infrastructure	AWS, GCP, VMware VSphere, Docker, Linux
Automation	Gitlab CI, Github Actions, Jenkins
IaC	Terraform, CDK
Certifications	AWS Solutions Architect, Associate
German	Native Speaker
English	Proficient