

Cassandra Beelen

Cologne, Germany (prefer remote) • Fluent in English und Deutsch • she/her • cassandra@beelen.one

A dedicated Cloud, DevOps & Software Engineer, with 10 years of experience in herding computers. Passionate about getting things right, writing efficient code, and setting up cost-effective infrastructure.

A collaborative team player with strong communication, adaptability, and problem-solving skills. Dedicated to teamwork, efficiency, and a positive work environment.

Experience

2024/10 ————— 2025/02

58agents GmbH

Software & Cloud Engineering

Worked on internal and client projects providing hyperscale Kubernetes observability & monitoring. Enabled development by building CI/CD systems and establishing a low-cost Kubernetes cluster on Hetzner Cloud.

2022/04 ————— 2024/10

aifora GmbH

Software, Cloud & Data Engineering

Reduced Databricks costs by up to 90% per pipeline by optimizing data science workloads. Led a disaster recovery effort for legacy Databricks & Hive, involving AWS S3. Designed a new CI/CD stack for rapid iteration and better code quality. Implemented infrastructure-as-code practices with Terraform and Databricks. Provided support and best practices for over 30 engineers.

2021/09 ————— 2022/04

REWE digital GmbH

Software & Cloud Engineering

Worked on providing self-hosted GitHub Actions on Google Cloud. Implemented runner auto-upgrades using Kubernetes CronJobs and optimized the runner image to cut boot-up time by 70%, reducing costs and measurably improving the user experience.

2014 ————— Present

Projects

Experimented with various hypervisors, running workloads for Active Directory, File Sharing (SMB), Python-based Discord Chatbots.

Currently running a Kubernetes cluster in the cloud, providing various personal services, including an observability stack based on VictoriaMetrics, VictoriaLogs and Grafana to monitor the health of the cluster and IoT device data.

Also running a bare-metal NAS at home with 48 TB of ZFS storage, providing file sharing and Home Assistant for the household powered by NixOS.

Skills

Engineering

Python • Golang • TypeScript • JavaScript • Java • Shell Scripting (Bash, zsh) • Docker • Databricks • OpenAI

API

REST • GraphQL • JSON / YAML / TOML • API & SDK design

Infrastructure as Code

Terraform • Pulumi • Ansible • Nix

CI/CD

Git SCM • GitHub Actions • Bitbucket Pipelines • GitLab CI/CD • Jenkins • Argo CD • Woodpecker CI • Sonatype Nexus • Artifactory

Databases

PostgreSQL • MySQL / MariaDB • MongoDB • VictoriaMetrics • Prometheus • VictoriaLogs

Message Brokers

Apache Kafka • RabbitMQ • NATS

Clouds

Google Cloud (IAM, Compute Engine, Kubernetes Engine, Cloud Storage) • AWS (IAM, S3, EC2, EKS) • Hetzner Cloud • Netcup • Linux (Ubuntu, Debian, RHEL, Fedora, CentOS, NixOS) • Kubernetes (Argo CD, Helm, Kustomize) • QEMU/KVM

Links

[linkedin.com/in/cassandra-beelen](https://www.linkedin.com/in/cassandra-beelen) • github.com/SapphicCode • git.sapphiccode.net/SapphicCode