

# Patrick Pichler

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**Github:** [github.com/patrickpichler](https://github.com/patrickpichler) **Website:** [patrickpichler.dev](https://patrickpichler.dev)

*I am a highly motivated professional seeking a job to challenge my skills and to improve myself. During my free time I love tinkering on small hobby projects and get my hands dirty with new technologies. I have a deep interest in anything container/cloud/Kubernetes related. I love sharing my knowledge by speaking at Meetups/Conferences.*

## Experience

### Cast.AI

*Senior Software Engineer - Remote - 2024-today*

#### Senior Software Engineer with focus on Kubernetes Security

Main contributor of Cast.AI runtime security sensor, as well as anomaly detection pipeline. Leveraging experience with Linux Kernel to come up with new ways of detecting signals such as container drift, SOCKS5 proxies. Tipped my toes into a bit of Product Management by using my past experiences as a security engineer the help drive the security product forward.

### Dynatrace

*Senior Software Engineer - Graz, Austria - 2020-today*

#### Product Security Engineer with focus on Kubernetes and Cloud

Performing security reviews of cloud accounts, as well as Kubernetes clusters. Providing security related input to architectural decisions for parts of the Dynatrace product. Driving initiatives to adapt secure baseline for container based deployments, as well as CI pipelines.

#### Platform Engineer working on multi-tenant application platform

Operating multiple AWS accounts, with managed EKS cluster for application teams to deploy their software to. Maintaining a dedicated Jenkins instance, as well as providing best practices how to deliver software to the platform. Driving security and usability improvements all over the platform. Providing in-depth knowledge about Kubernetes, AWS, Jenkins, build systems to teams.

#### Software Engineer

Writing microservice applications in Java offering integration to the support system. Main focus on improving build system (Gradle) and CI pipelines, as well optimizing container builds.

### BearingPoint

*Software Engineer - Graz, Austria - 2019-2020*

#### EasyTax

Focused on getting build system (Gradle) and CI pipelines (Jenkins) back under control and building a container infrastructure to ease testing. Introduced practices such as writing proper commit messages, ADRs and lunch talks.

#### Transport Tracking System

Full-Stack software developer in a distributed Java microservices application using Apache Kafka for communication and Angular for the Frontend. Frontend was designed as a SPA microfrontend application.

## IncubedIT

*Software Engineer - Graz, Austria - 2018-2019*

Java and some C++ development in an Agile team. Worked mainly on the server side of an autonomous smart shuttle solution. Took part in multiple communities of practice such as software architecture and CI.

## TAC

*Java Developer - Hartberg, Austria - 2015-2018*

Java development for a spa management application. Main focus was on interface between server and client as well as some architectural work.

## Talks

### **Of bees and Kubernetes runtime security** *CNCF Meetup Innsbruck, 2024*

A talk that teaches you some low level specifics on how eBPF works and how to use this power to implement container drift detection.

### **Going minimal:**

*CNCF Meetup Graz, 2024*

### **A guide to improving container image security**

A journey on how to turn your huge insecure container image into a minimal secure version.

### **Kubeletosaurus Wrecks:**

*Kubernetes Community Days Austria, 2023*

### **When memory requests meets its limits!**

A deep dive into the kubelet source code, to answer the question of how pod memory limits are enforced.

## Education

### **ISAQB® Certified Professional for Software Architecture - Foundation Level**

*2017*

Attended Software Architecture training seminar and obtained ISAQB certification

### **HTL Pinkafeld - Software engineering**

*2010 - 2015*

Higher school for computer engineering teaching Java, C++, as well as various project management and business subjects

## Skills

### **Computer skills**

Kubernetes, Containers, AWS, Terraform

Linux, eBPF, Git, VIM

Gradle, Maven

### **Coding skills**

Golang, Rust, Zig, Java, Software Architecture

## Hobbies

Cycling, Running, Swimming, Reading, Tinkering on small technical projects