



Overview

I am a DevOps Architect, Software Engineer and Tech Lead with extensive international and commercial experience in automation of software development processes, CI/CD, Pipelining, Java application design and development, container orchestration, logging and monitoring, software testing (UI and non-UI), configuration management, virtual infrastructures, high-availability concepts, requirements analysis as well as customer-centric service and support.

Skills

DevOps

Container orchestration
CI/CD
GitOps
Cloud development
Observability
Cybersecurity

Architecture

Solution oriented
Analytical mindset
Microservice architecture
Requirements Engineering
Infrastructure design
Enterprise Architecture

Business Management

Team leadership
Project Planning
Agile Methodologies
Stakeholder management
Consulting
Communication

Technologies

Kubernetes, Helm, Java, Maven, Linux, MySQL, Ansible, Git, Gitlab, ArgoCD, CircleCI, Terraform, AWS, GCP, PostgreSQL, Scrum, Scrumban, ArgoCD, Elasticsearch, Kibana, Logstash, Prometheus, Grafana, FluentD, OpenShift, Kafka, Spring framework, Springboot, Atlassian Stack (Jira, Confluence, Bamboo, Bitbucket), Shell

Education

Master of Science: **Media Informatics / Computer Science** – 2006 Bremen University of Applied Sciences, Germany

Certifications

2024 - TOGAF Foundation – The Open Group
2024 - Certified Kubernetes Administrator (CKA) – Linux Foundation
2021 - Certified Kubernetes Application Developer (CKAD) – Linux Foundation
2012 - Certified Scrum Master (CSM) – Scrum Alliance
2012 - Certified Spring Professional (CSP) – Spring Source
2007 - IBM Certified Rational Application Developer – IBM
2004 - ISTQB Certified Software Tester – Bremen University of Applied Sciences

Other Training

AWS Technical Essentials, Media Delivery Foundations, Akamai Web Performance Foundations, Moogsoft Admin / Implementer Training, Google CI/CD and Kubernetes, Google GCP and Kubernetes Advanced Training, Udemy, LinkedIn, ...



Professional experience

Kubernetes Consultant

07/2024 - now

Dataport AÖR - Germany

Dataport aims to provide internal or private cloud services for various branches of the German government. As part of that effort my role was to support establishing a Kubernetes service that is available as an API and ready to be consumed by various clients. My tasks included

- Design and implement Architectures and Solutions in regards to a production ready private Cluster Service.
- Provide on-demand sustainable solutions to support internal and external clients in their requirements for container orchestration platforms
- Consult, Support and train development Teams as well as Users and Clients in services related to Kubernetes

Architect and Project Lead Continuous Delivery

01/2023 - 04/2024

ivv - Germany

As part of a strategic effort to replace the existing monolithic application landscape within the ivv, my task is to establish a software development process using Continuous Delivery based on preliminary concept. The new Development process then needed Piloting and implementation throughout the company. Planning, Coordination, Reporting and architectural review are the main goals in this role.

- Technical Review and Confirmation the existing CICD concept against known best practices.
- Development of Timelines, Milestones and Phases for short-term outcomes and long-term goals
- Establishing the Team and its collaboration structure with challenging priorities
- Coordinating and Communicating between Upper Management, Development Departments, Compliance, Test management, Release management and Customers
- Reporting Progress, Challenges, Budget and Outlook to various stakeholders

Senior Automation Engineer / Team Lead

10/2021 - 12/2022

Bundesdruckerei - Germany

The SmarteID project consists of various components and multiple internal and external development teams and other stakeholders. As part of the DevOps strategy and the effort to establish an SRE Team, I have been tasked to lead the Team of 8 Engineers in establishing the Team itself, CICD Automation, Release-management, Configuration-management, Observability practices and On-Call processes. In details that included

- Cross-Team coordination and establishment of release management processes as well as CI/CD pipelines in a microservices landscape
- Development and Leadership of the SRE / DevOps Team
- Consulting / Training in Container Orchestration and Kubernetes
- Establishing of the observability platform in consideration of the business reporting
- Responsibility for the agile processes and prioritizing the Team backlog

Platform Engineer

05/2021 - 09/2021

HPE Germany - Germany

HPE had been tasked in collaboration with Airbus Industries to establish a secure private Cloud System that allow customers to self-service establishing projects with complex infrastructural requirements. My task was to support the implementation of various IaaS components.

- IaaS (Ansible) development for private cloud systems
- Automating windows-based certificate server systems and IaaS network components
- Development for the orchestration server (Morpheus)

CICD and Automation Consultant

01/2021 - 05/2021

Mitel Deutschland GmbH - Germany

The Mitel development team for the Micollab Client software had tasked me to establish and implement strategies to migrate a hosted CICD system for a multiplatform application into a cloud based, managed system. Further the assignment included

- Analyse existing CICD processes and automation as well as isolate functional and non-functional requirements
- Establish a cloud based managed CICD architecture and a migration plan for legacy projects to move to.
- Collaborate with international teams to adopt Mitel best practices or build new practices if none exist.
- Implement automation for the relevant projects and ensure repeatability and robustness.
- Document and train staff on new tools, system and strategies.

Lead DevOps Engineer

05/2019 - 10/2020

ASX Limited, Sydney - Australia

I have provided technical leadership for the DevOps teams and supported them in establishing company wide solutions to automate the software development and delivery lifecycle. I was also responsible for governance and implementation of CI/CD systems, Logging and Monitoring capabilities and Container Orchestration uplift. I have also interfaced with various teams across the company to improve application delivery and adapt to a homogenous microservice landscape throughout the company.

- Integrated Logging and Monitoring capabilities for systems and applications into the on-premise Kubernetes target platform, ensuring full automation, scalability and supportability
- Provided leadership and governance in regards to the technical aspects of all systems owned by the DevOps team including the Atlassian stack, the CI/CD stack, Container and Orchestrator security, Logging and Monitoring and Development processes.
- Led the DevOps engagement with an essential ASX project to replace the legacy trading and data governance platform

Lead DevOps / Automation Engineer

10/2016 - 05/2019

Foxsports Australia, Artamon - Australia

I was responsible for automating and streamlining the CI / CD processes for the back end microservices and front end nodejs projects in hybrid environments partly on premise and in the cloud. I have also designed and implemented repeatable and robust installations and configurations for clustered applications such as Elasticsearch, Kafka or Consul. I also drove research, evaluation and implementation on scalable container platforms such as Kubernetes and Docker Swarm.

- Design and setup Kubernetes Clusters on in-house infrastructure. Migrate existing production services onto k8s.
- Research, design and implementation of technologies such as Docker Swarm, HA Elasticsearch, HA Kafka and Zookeeper, Apache Airflow, Netflix Conductor, etc.
- Automate and implement CI/CD pathways as well as infrastructure components for AWS using ansible
- Ensure and integrate robust CI/CD pathways on-premise with corresponding build and test metrics
- Collaborate with infrastructure teams to ensure secure, repeatable and robust setups



Snr. DevOps Engineer / Technical Lead

11/2012 - 09/2016

ResMed Ltd., Bella Vista - Australia

I was responsible for coordination and communication of topics concerning deployment automation, build, configuration and release management in an agile and globally distributed work environment. I worked closely with development and test teams to improve and ensure on-time delivery of the software products.

- Provided technical and team leadership for a globally distributed DevOps team using Scrum methodology to track progress and manage expectations.
- Designed and implemented automated deployment mechanisms to development environments as well as to production environments using tools such as OpsCode Chef.
- Planned and coordinated release execution procedures in globally distributed cross functional teams.
- Supported development teams as well as validation and verification teams in technical and functional aspects.
- Configured and supported continuous integration and test-driven development processes.
- Led migration towards git-based CI re-design of deployment processes and code to allow global collaboration.

Software Consultant / Software Engineer

07/2009 - 06/2012

Thales Systems and Security, Kiel - Germany

I have designed and implemented Java applications, features and components such as client-server connections with Eclipse RCP, Spring and AspectJ, secure distribution of mass datasets to non-internet connected systems with Spring, JDBC and PL/SQL as well as data export and import with e.g. JSON-technologies.

Senior Consultant / Software Engineer

04/2006 - 06/2009

Consist Software Solutions, Kiel – Germany

As a Software Engineer and Consultant, I was able to provide solutions for web-based application, rich client and server applications as well as support the development of cryptographic backend to security applications.

Languages

German – native speaker

English – excellent, native speaker level

French – basic

Nationality

German / Australian

References / Transcripts

Reference letters and referee contact information as well as educational transcripts can be provided on request.