

Qualifications

Senior Software Engineer and DevOps Lead with more than 15 years of commercial experience in automation of software development processes, CICD, 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 support and development. Key qualifications include:

- **Leading** Software / DevOps **teams** in design, development and testing with **agile** methodologies like **Scrum**, Kanban or Scrumban
- **Implementing** and improving **DevOps strategies** and governance as well as coordination between departments such as IT, Cybersecurity, Architecture, Marketing, Management and Development
- **Automating** development and release **processes** using tools such as Ansible, Docker, Kubernetes, Shell, WinRM, Maven, Ant, Gradle, Jenkins, GitLab, CircleCi, GoCD, Teamcity or Bamboo
- **Architecture** and Implementation of **Container Orchestration** strategies on e.g. GCP, PKS, OpenShift, Rancher or AWS using **Kubernetes** and Docker on-premise and in the cloud at scale
- Develop and Manage Cybersecurity efforts to establish or improve processes for secure CICD and Container platforms
- Design and setup of **High Availability Clusters** running applications such as Elasticsearch, Kafka, ActiveMQ, Consul
- Design and setup of **Observability Platforms** Elastic, Kibana, Logstash, Prometheus, Grafana, FluentD
- Cloud development for AWS or GCP using e.g. Cloudformation, Ansible or Terraform
- Driving the **Configuration Management**, tracking and documenting all relevant components within the software development lifecycle
- Implementing **Microservice** Architectures on modern target platforms with e.g. Java Frameworks such as Spring or quarkus
- **Test and Release Planning** for functional and non-functional test stages throughout a CI/CD landscape
- **Documentation** of code, features, applications, infrastructure and development processes as well as producing project and test reports
- Very good **communication skills** towards all peers within the project and towards external stakeholders, such as the customer

Education and Training

- BA and MSc Computer Science
- ISTQB Certified Software Tester
- IBM Certified Rational Application Developer
- Certified Spring Professional
- Certified Scrum Master
- AWS Technical Essentials
- Akamai Media Delivery Foundations
- Akamai Web Performance Foundations
- Moogsoft Admin / Implementer Training
- Google CICD and Kubernetes
- Google GCP and Kubernetes Advanced Training
- Linux Foundation CKAD – Certified Kubernetes Application Developer
- Linux Foundation CKA – Certified Kubernetes Administrator

Professional experience

Project Lead Continuous Delivery

01/2023 - 03/2024

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, Testmanagement, Releasemanagement 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.