



Florian Kasper

Lead Site Reliability Engineer

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florian-kasper.com

Profile



My Name is Florian Kasper. I am a Cloud-Native Developer and Dev-Ops Engineer from Nuremberg, Germany. Freelancing for over 10 years now, I've been actively contributing to improve my clients position in their industries. With my expertise not only in software development, but also in the technologies and techniques at an infrastructure and architectural level, I can help to make pragmatic decisions that will deliver measurable results. Software engineering and architecting for me, started out as just a hobby, but quickly evolved into a passion, that lasts until today. I constantly seek for new adventures and challenges that will actually be of value for my customers.

Place of work

Germany – Preferred: Southern Germany or Remote

Languages

English and German

Availability

12/2021 (full-time)

Competencies and Skills

- Development and design of scalable cloud-architectures and stacks using cloud-native technologies like Kubernetes, Helm, Terraform and Knative.
- Backend-Development using Go(lang), Node.JS, Ruby, PHP
- Frontend-Development with React.JS
- Asynchronous and distributed platforms Kafka, Redis und GRPC
- Setup and administration of local and cloud based environments using Kubernetes from scratch or Ansible; On Linux, Mac and Windows
- Collaborating on Software Architecture and Software Design for microservice platforms on Kubernetes, AWS and Google Cloud Platform.

Industry Know-How

E-Commerce, Sports, Defense, IT, Marketing, Energy, Online

Previous Responsibilities

Software Architect / Lead SRE / Dev-Ops

Education

- until 2011 Middle Grade from staatl. Realschule Höchststadt a.d. Aisch
- until 2014 Apprenticeship at Berufsschule Erlangen

Certificates

Google Kubernetes Engine (by Google)



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IT-Knowledge

- +++ excellent Knowledge, acquired through years of project work
- ++ very good knowledge, acquired through at least one longer project assignment
- + basic knowledge, e.g. through prototypes or occasional use

Compute	Kubernetes (+++) with CRI-O / Docker / Kata, Fargate / ECS (+++), AWS Lambda (+++), plus ofc. bare Linux / Windows / MacOS Hosts
Observability	Prometheus (++), EFK-Stack (Elasticsearch, Fluentd, Kibana) (++), Datadog (++), Grafana (++)
IaC - Infrastructure as Code	Cloudformation (+++), Terraform (+++), Azure ARM (++), Ansible (++), Puppet (++)
Cloud Providers	Amazon Web Services (AWS) (+++), Google Cloud Platform (++), Microsoft Azure (++)
Programming Languages	Go (+++), Python (+++), Javascript + ES12 (++) , Ruby (++) , PHP (++) , Java (+) , SQL (+)
Databases	MySQL (++) , PostgreSQL(++) , Cassandra (+) , Elasticsearch(++) , Redis (++)
OS	Linux (in particular Debian, RHEL, CentOS, Ubuntu, Archlinux and Alpine) (+++), OsX (++) and Windows (++)
Protocols	HTTP (+++), Protobuf (+++), SMTP (++) , Thrift (++) , SNMP (+) , WebRTC (+) , XMPP(+), JSONschema (+)
Methodologies	Git (+++), Scrum (+++), KanBan (+++), Test-Driven-Development (TDD) (+++)
Frameworks, Testsuites	Go test (+++), React.JS (+++), Node.JS (+++), Ruby on Rails (++) , Phalcon (++) , Mocha(++), Jest(+++), Prometheus(++)



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Project History

07/2021 - 12/2021

Platform Engineer for
Scout24 AG / Online

- Improve the design and maintainability of the in-house built kubernetes platform
- Help team members to integrate the platform into the existing team workflows

Used Technologies

04/2021 - 09/2021

Kubernetes, AWS, Golang

Dev-Ops and SRE-Consultant for

EnBW / Utilities

- Design and Development of a multi-cluster Kubernetes hosting infrastructure based on EKS
- Design and Develop extensions for maintenance and management

Used Technologies

08/2020 - 09/2021

Kubernetes, Harbor, Golang, AWS

AWS Architect / SRE for

AMAN Media GmbH / Online

- Develop an architecture for scaling a PHP application
- Introduce Infrastructure-as-Code (IaC) to the Developers
- Build out automated deployment pipelines
- Introduce and establish Opsgenie for alert routing and triage

Used Technologies

07/2020 - 12/2021

AWS, Python, Lambda

SRE for

Hill-Rom / Healthcare

- Improve company collaboration on central, platform, topics
- Introduce simpler, less time consuming automation for CI/CD
- Maintain a set of online tools for developers
- Design and Build our own set of tools to improve developer experience

Used Technologies

05/2018 -

Azure, Kubernetes, Golang, React.JS, GitHub

System Architect and SRE for

Juratherm GmbH / Industrials

- Infrastructure automation
- Concept and Realisation of the general infrastructure
- Design and integrate Backup and Disaster recovery plans

Used Technologies

11/2019 - 04/2020

Kubernetes, Ansible, CUPS, CentOS Linux, Rbackup, Slack, Ceph, CSI, Velero (ARK)

Frontend Developer / Platform Engineer for

AutoScout24 GmbH / Online

- Develop React.JS for an online car selling platform



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- Support with organising and executing an organisational carve-out
- Develop multiple kubernetes controllers, platform infrastructure, disaster recovery and security policies from scratch
- Architect autoscaling and efficient resourceusage for irregular access patterns in kubernetes

Used Technologies
06/2019 - 11/2019

AWS, Kubernetes, Golang, React.JS
Platform Engineer for
Scout24 AG / Online

- Design and develop an internal container PaAS (Based on Kubernetes)
- Cloudformation for Platform integrations
- Dashboard for displaying status information
- Kubernetes-Multi-Cluster integration developed

Used Technologies
01/2019 - 12/2019

Kubernetes, AWS, Golang, React.JS
Dev-Ops and SRE-Consultant for
EnBW / Utilities

- Design and Development of a multi-cluster Kubernetes hosting infrastructure
- Design and Develop extensions for maintenance and management
- Giving Kubernetes master classes
- Design and develop a notification system for Container CVEs (automatic rebuilds of base images and notifications for users)

Used Technologies
01/2018 - 06/2019

Kubernetes, Harbor, Golang, React.JS
Software developer, Dev-Ops and SRE for
100 days Software Projects GmbH / Online

- Develop an office solution for SMB
- Develop and design an E-commerce app from scratch
- Concept, Architectural-Design and development of a password manager
- Concept and Realisation of a Hosting and CI infrastructure
- Concept, Development of a Google-Drive like storage solution
- Concept, Development of a thumbnail generator

Used Technologies

03/2016 - 06/2016

React, Kubernetes, Golang, Codeship, Google Cloud Platform, Kafka, Node.JS, Jira, Linux, Nginx, MySQL, PostgreSQL
Consultant and React Coach for
ERAMON GmbH / Industry Supply

- Coach developers on React
- Integrating React into the company's legacy software platform



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Used Technologies

03/2015 - 06/2016

React, Webpack, Node.JS, Sass

Software Architect and Developer for

VATC Technologies Inc. / Defense

- Design and architecture of a platform for secure storage and analysis of biometric data sets
- Design and architecture of a platform for automated aggregation and evaluation of activities in social networks

Used Technologies

01/2015 - 12/2016

React, Node.JS, Apache, Ruby on Rails, PHP, Docker, Linux, AWS, Elasticsearch, Cassandra, ArcGIS

SRE for

Corcience GmbH & Co. KG / Healthcare

- Care, maintenance and servicing of the company's internal server landscape
- Design and development of in-house software applications

Used Technologies

01/2015 - 03/2015

Debian Linux, Ansible, Docker, VMware, Ruby on Rails, React

Software Developer for

XPANDMMI / Online

- Development of various platform modules for a CMS system

Used Technologies

06/2014 - 12/2014

PHP, Apache, MySQL, Ruby on Rails

Software Developer for

Jacor Online Marketing / Online

- Development of an application to evaluate images and rate them

Used Technologies

PHP, React



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Permanent Positions

09/2011 - 12/2015

Role:

- Completed apprenticeship as IT specialist - system integration
- from 6/14: freelance part-time job
- from 03/15: full-time freelancer

Open-Source Engagement

GitHub

<https://github.com/nirnanaaa>