Anatoli Lichii

Senior Cloud Engineer

Details

Address

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Deutschland

Email

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Links

Linkedin

XING

Skills

Linux

● ● ● ● ●

Docker

● ● ● ● ●

Kubernetes

● ● ● ● ○

Terraform

● ● ● ● ○

AWS

● ● ● ● ○

Kafka

● ● ● ○ ○

Gitlab

● ● ● ● ○

Concourse (CI/CD)

● ● ● ● ○

Python

● ● ○ ○ ○

PHP

● ● ● ○ ○

golang

● ● ○ ○ ○

Profile

I'm Cloud Solution Architect with Team-lead Experience from Hamburg.

Linux and Open Source, those are the things that moved me at the beginning of my studies and finally started my career with. My experience in web hosting has rounded off my interests over the years.

At the moment I'm mostly occupied with topics like Continuous Integration, Continuous Deployment, Kubernetes, Terraform and AWS Cloud. Automation with python and bash is always fun for me.

The interest in E-Commerce, build a sustainable cloud platform and the constant contact with different, interesting challenges and customers has accompanied me throughout my entire career. Thereby I was able to gain some basic experience in the field of golang and PHP programming. This knowledge helps me to make the right decisions in my field again and again.

Principles from the study of business informatics often help me to find the balance between realistic objectives and technical implementation.

Currently, I've been challenged by different aspects of cloud conception and cloud development. This is the most fun for me and the previous experience in the old technologies and concepts gives me deeper insights and inspires me to go new ways.

Employment History

Lead Cloud Engineer, Auvaria GmbH

Sep 2024 — Present   ⦿ Hamburg

As a Lead Cloud Engineer at a leading AWS partner, I lead the DevOps team and drive migrations from on-premises and multi-cloud environments to AWS, leveraging the AWS Well-Architected Framework to ensure scalable and efficient solutions.

Leading the DevOps and cloud engineering team in designing and implementing AWS-based solutions.

- Driving cloud migrations from on-premises and multi-cloud environments to AWS, leveraging the AWS Well-Architected Framework for scalability and cost efficiency.
- Conducting **AWS Well-Architected Reviews** to optimize existing cloud infrastructures and ensure compliance with best practices.
- Performing **Optimization and Licensing Assessments (OLAs)** to enhance cost efficiency and licensing strategies.
- Providing **technical expertise in pre-sales and sales pitches**, assisting in client decision-making for cloud transformations.
- Implementing **AWS Migration Acceleration Program (MAP)** to ensure structured, seamless, and cost-effective cloud migrations.
- Leading **Infrastructure as Code (IaC) adoption** using Terraform for scalable and repeatable cloud infrastructure deployment.

Senior Solution Architect, Statista GmbH

Mar 2023 — Aug 2024   ⚲ Hamburg

Architecture:

- Help with the expansion of the existing platform
  - Architecture review with the product teams
  - Updating / development of the overall architecture
  - Ensuring the compatibility and integration of new technologies into the

the existing platform.

- Creation of the strategy for the migration to the new cloud native approach and Replacing the old, monolithic architecture
  - Evaluation of the existing monolithic architecture and Identification of the components to be migrated.
  - Improvement of the modular, microservice-based architecture that is optimised for cloud optimised for cloud environments.
  - Development of a detailed migration plan including time frame and milestones.
- Support with enterprise architecture tasks to improve the organisation of the improve the organisation of the technical department
  - Development and implementation of architecture governance guidelines and best practices.
  - Establishment of regular architecture review meetings to monitor and monitoring and improvement of the architecture guidelines.
  - Organising training courses and workshops for IT employees to improve understanding and skills in relation to the new architecture. new architecture.

Consulting:

- Introduction, establishment and expansion of the community of practice formats to enable knowledge about the cloud in the company
  - Organisation of regular meetings, such as brown bag sessions or tech talks to promote the exchange of knowledge.
  - Provision of coaching sessions for individual support and problem solving.
- Supporting the teams in finding solutions in the AWS area
  - Support in the architecture and design of AWS-based solutions.
  - Support in troubleshooting and optimising AWS environments.
  - Development of practical exercises and scenarios to deepen knowledge of AWS
- Expansion and integration of the provider exchange (AWS, Datadog) in the company
  - Configuration and optimisation of monitoring dashboards and alerts to ensure system stability.
  - Analysing the collected data to identify optimisation optimisation potential and performance bottlenecks.
  - Implementing and integrating monitoring and management tools such as Datadog into the existing infrastructure.
- Setting up the AWS training courses together with the provider
  - Identification of training requirements and development of a customised training plan.
  - Collaboration with the AWS provider to create training content and training content and materials.
  - Organisation and delivery of AWS training sessions for IT staff.

Platform engineering:

- Support the platform team in finding the main strategy
  - Collaboration with the platform team to define the main goals and strategy
  - Creation of a detailed roadmap for the implementation of the platform strategy
  - Ensuring that the strategy and roadmap are communicated to all relevant stakeholders.
- Supporting the development of the new platform components and Improvement of the existing components
  - Improvement and optimisation of existing components to

increase efficiency and scalability.

- Validation of the components in real scenarios to ensure production readiness.
- Training the relevant teams to use and manage the platform components.

Team Lead & Expert Cloud Consultant, Pexon Consulting

Nov 2021 — Feb 2023   ♀ Hamburg

Architecture Tasks:

- Setup of Central Logging environment in AWS
  - Conceptual design of the cloud solution: adaptation to KRITIS environment and BDEW controls
  - Planning of the new architecture based on Terragrunt for the new centralized logging environment: avoidance of code duplication, staging concept, simple and readable code structure
  - BCM capability of the infrastructure: execution of a simulation of a complete failure of the logging infrastructure and subsequent reconstruction
  - Organization and execution of training for the development teams
  - Documentation of the whole infrastructure
  - Technical coordination of the implementation with other engineering colleagues in the project
- Supporting the team in the creation of the ADRs (Architectural Decision Records)
- Documentation of the whole platform infrastructure and all platform services
- Coordination of collaboration with other teams in the project

Platform Engineering Tasks:

- Build a code pipeline for the Central Logging architecture.
- Building the infrastructure for the Central Logging Architecture
- Connecting the Central Logging Architecture to the existing SAML solution (Keycloak, Openshift IDM)
- Supporting the existing Openshift platform in an AWS cloud environment.
- Supporting the implementation for existing cloud solutions in the project in the IaC team.
- Support and extension of ELK stack on fluent-bit / fluentd basis using kinesis firehose and based on AWS Opensearch & Opensearch dashboard.
- Extension of the existing CI/CD solution for teams on code pipeline basis
- Development and support of infrastructure solutions based on Terraform

other: Elaboration of best practices for cloud consultants.

Senior Cloud Engineer, Fielmann AG

Jan 2020 — Oct 2021   ♀ Hamburg

SRE: Support and implementation of independent development teams (about 15 teams):

- in code delivery to productive clusters
- in the development of custom cloud-based solutions in AWS

- in developing monitoring and logging solutions
- in Kafka and AWS RDS-based data cluster operations
- with the security team to optimize the project in terms of application security
- together with the architecture team to optimize the project in terms of architecture improvements and application migrations

Platform Engineering:

- Support for an existing kubernetes-based platform in an AWS-based cloud environment.
- Developing the concept of migration to a fully managed service for Kubernetes - AWS EKS
- Support for existing clusters and solutions:
    - AWS MSK - Managed Service for Kafka
    - AWS RDS - Aurora / PostgreSQL Cluster
    - ELK Stack - fluentbit / fluentd + kinesis firehose + AWS ES-Kibana
    - CI/CD Solution for Teams - Concourse CI
- Development and support of infrastructure solutions based on Terraform

Tech Stack: Kafka, Kubenetes, Terraform, AWS, concourse CI/CD

Senior DevOps Engineer, DEPT / superReal GmbH

Mar 2012 — Dec 2019   ⚲ Hamburg

SRE Tasks:

- Develop vagrant, docker, and docker-compose developer environments for rapid project deployment
- Project support during the launch process
- Support of developers during the starting project phase

Platform Engineering Tasks:

- Development and support of automatically deployable solutions for testing projects during project development
- Development and support of infrastructure for code delivery and integration
- Development and support of infrastructure for additional code testing systems, custom hosting solutions both on hardware and in the cloud

Infrastructure Support: Develop and support local IT infrastructure solutions with other colleagues:

- Configuring server infrastructure to quickly transfer and store large amounts of data
- configuration and operation of local firewalls

Tech Stack:

- local IT Infrastructure: VMware ESX, pfsense, freepbx, security scanning
- Platform/SRE: gitlab, vagrant, PHP, bash, docker, docker-compose, traefik, terraform, kubernetes

CEO, LANIXX

Jan 2011 — Dec 2016   ⚲ Hamburg

Over the course of my career, I have had to deal with projects of varying complexity and magnitude. Mainly I dealt with solutions related to building, maintaining and scaling local IT infrastructure. Other area was hosting solutions for different kinds of web projects of different size. From simple web hosting packages to complex, high load and self scalable configurations.

I had to support logistics companies, web agencies, and service sector customers in various areas.

Activities:

- Various web agencies: I have supported various agencies in the realization of DevOps practices such as continuous delivery of the implemented features of various web projects, monitoring and detection of the bottlenecks of the projects, as well as support in additional concerns around such topics as domain hosting, newsletter delivery and building the projects with container technologies and with the cloud approach to realize the agility of the projects.
- Designer Outlet City*: As an external consultant I helped the agency and supported the web presence for the project based on Typo3 as a technical coordinator of the project during the conception phase, implementation of the desired components in Typo3 environment, training and support of the staff for CMS maintenance, launch of the CMS project and Hypercare phase after the launch.
- Various eCommerce WEB Projects: I have contributed both as a part-developer and as a consultant in building various webshops based on OXID or Shopware, frontend integration as well as backend implementation of various store components and launch phase of the stores the projects successfully build online business.
- CV Media Production: The company had technical difficulties to coordinate the projects, to distribute large amounts of data and to manage these amounts of data. I contributed to successfully enable the implementation of the local concept for data storage, staff management and data sharing in relation to privacy policies.
- Various medical offices: I helped to build, launch and maintain the web presence based on Wordpress / Typo3 for the medical offices to build their online web presence and supported them to be findable on the web.
- Huge Logistic Company*: I helped the logistics company with the maintenance and support of an existing very complex proxy mail server setup. Some of the critical components were migrated until the successor was found to take care of the project. During the hypercare phase the operation of the most important component could be granted.
- Shopwarehosting: I contributed in setting up the hosting environments for Shopware hosting packages especially in direct cooperation with Shopware to make the environment as secure as possible and to offer customers the possibility to get webhosting packages practically immediately or after a very short time.
- German Online Dicsounter Shop*: I helped the company to prepare the failover solution for the migration of the Java application from the existing system to increase the reliability. The migration was completed quickly and the failover system was up and running on time.

Education

Universität Hamburg, Wirtschaftsinformatik
Mar 2003 — Aug 2008

Courses

LPIC 1, Linux Professional Institut
Aug 2012 — Aug 2012

Additional Informations

more detailed CV

If you would like more information about my experience, you can see my more detailed CV (in german): https://dl.lanixx.com/CV-2024.pdf