

Robert Andruschow

DevOps / Platform / Site Reliability / Cloud / Backend Engineer

Berlin, Germany



Portfolio: [andruschow.de](#) ↗
Platform: [kube-advisor.io](#) ↗
Github: [bobthebuilderberlin](#) ↗
Github #2: [kube-advisor-io](#) ↗
Email: robert@andruschow.de ↗

SUMMARY

Seasoned DevOps / Site Reliability / Cloud Engineer with 15 years of experience in the industry and a background in Backend engineering and mathematics.

I have worked for 6 years as a backend engineer in the java universe before moving to the DevOps field for the last 7 years. I have worked extensively with public cloud (AWS, GCP), Kubernetes and various CI/CD systems. I am a polyglott programmer with primary expertise in Java and Golang.

I have a proven track record of successfully executing tech projects, owning all aspects of the infrastructure, fostering knowledge transfer inside and cross-teams and establishing cyber security standards within an organization.

Recently I created [kube-advisor.io](#), a platform which uncovers misconfigurations and best practice violations in Kubernetes clusters.

Skills

Tech OwnershipPublic Cloud Architecture

AutomationPlatform Engineering

Software ArchitectureCyber Security

Backend EngineeringAgile Methodologies

Familiar Technologies

AWS (8y)GCP (3y)Kubernetes (7y)Docker

Helm

Prometheus / Grafana / Loki / Open Telemetry

DatadogInfrastructure-as-CodeTerraform

CloudformationCDK

Java/Groovy/Kotlin+Spring/GrailsMaven/Gradle

GolangPythonBashJava- / TypescriptRuby

Hashicorp VaultCloudflare / Zero Trust

Networking / TCP/IP / UDP / SSL / DNSCI/CD

GitHub ActionsCircleCIGitlab Pipelines

Bitbucket PipelinesSpinnakerJenkins

PostgreSQLDynamoDBMySQLAtlassian Stack

OpsGenieSite24x7



Google Cloud Certified Professional Cloud Architect

EDUCATION

Technische Universität Berlin
2007 – 2017 | Bachelor of Science (in 2011, final grade 1,8) and Master of Science (unfinished)

- [Technomathematics](#)

EXPERIENCE

Founder
August 2024 - now | [kube-advisor.io](#)

- › Created a platform automating observability for Kubernetes best practices and misconfigurations
- › Worked on all aspects of the product: AWS Infrastructure, Backend(Golang), Frontend(React, Bootstrap, Tailwind), Kubernetes agent(Golang), Marketing and Sales.
- › Open-sourced [the Kubernetes agent](#) and [its helm chart](#)

Site Reliability Engineer (labour lease)
August 2023 - August 2024 | [Bundesdruckerei GmbH](#)

- › Worked on the projects [Smart-eID](#) (the digital passport for Germany), [EZB I](#) (the digital car registration for Germany) and the digital driver's license for Germany.
- › Site Reliability Engineering on top of BDR's on-premise OpenShift Platform
- › Introduced a project-generic release process utilizing Helm and GitLab Pipelines balancing the needs of software engineers, project management and customers
- › Introduction of RFC's for solutions design and a team-internal 360° feedback process
- › Led discussions with the customer ([KBA](#)) around a secure network connection via Netz-des-Bundes
- › Design and implementation of a monitoring solution for [the Governikus eID-Server](#)

Cloud Consultant (Freelancer)
August 2023 - April 2024 | [KIVVON GmbH](#)

- › Supported a startup development team with their AWS/Cloud architecture and security posture
- › Designed a new network infrastructure (VPC, Subnets, Client VPN) following AWS Well-Architected guidelines and moved all applications there

Senior DevOps Engineer
June 2020 - May 2023 | [UP42 GmbH](#)

- › Owned the whole company's cloud infrastructure (mainly GCP + GKE, but also AWS and Azure)
- › Designed and implemented secrets management using HashiCorp Vault and rolled it out to the whole org
- › Introduced Cloudflare Zero Trust for non-public-IP access to internal applications
- › Managed the conduction of penetration tests with multiple external providers and organized resolution of the issues found
- › Supported the SOC 2 Type 2 cyber security certification process of UP42 which [ended in a successful certification](#)
- › Improved observability of the platform, introduction of alerting and on-call using OpsGenie

DevOps Engineer
October 2017 - May 2020 | [Bonial International GmbH](#)

- › Introduction of containerization into the company, first with ECS, then EKS including CI/CD with Spinnaker, logging with fluentd/Cloudwatch/Elasticsearch, monitoring with Prometheus and on-call with VictorOps.
- › Main contact person for all SDLC revolving topics for around 100 software engineers
- › Built proxy for DataDog whitelisting custom metrics serving 10000 requests/minute using reactive Java
- › Reengineered app for self-service staging environment creation using CloudFormation and Grails
- › Implemented ChatOps apps interconnecting Slack and Spinnaker

Backend Engineer
June 2011 - Oct 2017 | [Bonial International GmbH](#)

- › Backend engineering with java, groovy, spring and grails. Deep dive into various software design patterns (e.g microservices, BDD/TDD, anti-trainwreck, auto-scaling).
- › Owned and improved main notification system sending millions of messages to customers on a daily basis
- › Dealt with design and migrations for various database systems (Postgres, MongoDB)
- › Owned the system scraping data from hundreds of retailer websites regularly

Developer Pawn Shop Business Software
2010 - 2013 | Self-employed

- › C# and .Net Development with WinForms
- › Defined the product based on customer discussions