



ROBERT ANDRUSCHOW

- Mail
 - Web
 - Home
 - LinkedIn
 - GitHub
- robert(ät)andruschow.de
 - andruschow.de
 - Berlin, Germany
 - www.linkedin.com/in/robert-andruschow
 - github.com/bobthebuilderberlin.

Code for this website can be found [here](#). Hosted on GitHub Pages.

DevOps / Site Reliability Engineer, Backend Engineer

PROFESSIONAL EXPERIENCE

UP42	Senior DevOps Engineer
June 2020 - Present	<ul style="list-style-type: none">• Built and maintained cloud infrastructure in mainly GCP, but also AWS and Azure• Terraformed all the things using various providers including GCP, AWS, Azure, Pingdom, DataDog, Cloudflare (Zero Trust), Spot.io, OpsGenie and GitHub• Creation and maintenance of GKE-based Kubernetes clusters hosting the entire UP42 platform• Designed and implemented secrets management using HashiCorp Vault• Introduction of Cloudflare Zero Trust: Providing non-public IP access to internal applications utilizing SAML and GitHub authorization• Introduction of cloud user and service permissions scheme based on the principle of least privilege• Managed conduction of penetration tests with multiple external companies and organized fixing the found issues• Support of SOC 2 Type 2 cyber security certification process• Increased observability of the system using Datadog, GCP Metrics and Pingdom and introduced alerting and on-call using OpsGenie• Reduced Kubernetes cluster node costs by 75 percent using spot.io• Network design and administration: NAT's, firewall rules, routing, peering, Shared VPC's.• Designed and implemented application and infrastructure CI/CD pipelines with CircleCI and Slack reporting• Supported software engineers with SRE-related questions and problems• Supported various product efforts in the geospatial domain• Hiring Manager for SRE team: Interviewed and hired new team members• First steps into leadership role with 1 report and being part of the extended leadership group <p>Tech Stack: GCP (GKE, Shared VPC / Cloud NAT / Firewall and Routing, IAM, CloudSQL, Pub/Sub, GCS, GCR, Logging), Terraform, Helm, Docker, CircleCI, GitHub (Actions), ArgoCD, Argo Workflows, HashiCorp Vault, DataDog, Prometheus / Alertmanager / Grafana, Cloudflare (Zero Trust), OpsGenie, Pingdom, Spot.io, AWS (IAM / S3 / SageMaker), Ruby, Golang, Java / Kotlin, bash/zsh/ash, Windows VM Licensing</p>
Bonial.com	DevOps Engineer
October 2017 - May 2020	<ul style="list-style-type: none">• Designed and implemented SDLC and CI/CD processes using Spinnaker and Jenkins• Initiated containerization in the company, first with AWS ECS, then with Kubernetes / EKS• Deep dive into Kubernetes and EKS - as a team, we provided a fully-automated cluster setup using terraform including CI/CD with Spinnaker, logging with fluentd/Cloudwatch/Elasticsearch, monitoring with Prometheus and on-call with VictorOps• Built and extended a staging environment creation app that builds dozens of staging environments every day.• Built metrics proxy for DataDog able to white- and blacklist custom metrics sent to DataDog. High performance system with 6000 requests/m.• Implemented Slack ChatOps app that could trigger/halt/proceed Spinnaker builds.• Extending and maintaining our AWS infrastructure using infrastructure-as-code using terraform and CloudFormation• Main go-to-person for all SDLC revolving topics for our around 100 developers. Introduced SDLC ambassador program organizing knowledge transfer to the teams.
Bonial.com	Backend Developer
June 2011 - Oct 2017	<ul style="list-style-type: none">• Implemented web apps, KPI logic and b2b logic in spring-* and grails• Owned and maintained main notification system with millions of notifications per day• Dealing with design and migrations of various db systems (Postgres, MongoDB)• Deployment of applications on AWS auto-scaling VM groups using Spinnaker• Auto-scaling patterns, anti-trainwreck patterns, microservices, BDD/TDD• Working in an international always-growing and -learning IT team using Scrum and Kanban
Self-Employed	Pawn Shop Business Software
2010 - 2013	C# and .Net Development with WinForms
Technische Universität Berlin	Studying Technical Mathematics
2007 - 2017	<p>Learning mathematical basics, prove techniques and highly abstractive thinking</p> <p>Specialising in differential equations and numerics</p> <p>java, MATLAB and python (NumPy/SciPy) development</p> <p>Bachelor of Science in 2011 (1.8)</p>

HOBBIES

I am a lot into music, both playing and listening. Guitar player since 2004.

Apart from that, I am into reading, traveling, chess and sports (running, swimming, bouldering, table tennis). Maintaining friendship and getting to know new people is important to me.