



PERSONAL INFORMATION

NAME

Ben Oertel

ADDRESS

Grünberger Str. 87
10245 Berlin

DATE OF BIRTH

14.12.1988

LANGUAGES

German: Native speaker
English: Business fluent

CONTACT

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LINKED IN

@ben-oertel



Senior DevOps and Site Reliability Engineer with 8+ years of experience in evolvable cloud-native environments. I support medium and large enterprises in building and maintaining robust and scalable architectures on AWS.

Excellent analytical proficiency paired with strong communication skills, suitable for collaboration in cross-functional teams.

CORE SKILLS

Amazon Web Services (AWS)

AWS Solution Architecture 8+ Jahre

AWS Cloud Cost Optimization 7+ Jahre

AWS Serverless 4+ Jahre

AWS Cloud Security 4+ Jahre

DevOps and SRE

CI/CD 8+ Jahre

Infrastructure as Code 8+ Jahre

Infrastructure Monitoring and Observability 7+ Jahre

Incident Management 5+ Jahre

Weitere

Docker 9+ Jahre

Kubernetes 7+ Jahre

Microservices 7+ Jahre

Infrastructure Documentation 7+ Jahre

Event-driven Software Architectures 4+ Jahre

Software Development 11+ Jahre

CERTIFICATIONS

AWS Solutions Architect – Professional (SAP-C01)

AWS Certified Security – Specialty (SCS-C02)

HashiCorp Certified: Terraform Associate (002)

PROJECT HISTORY

SENIOR AWS DEVOPS ENGINEER / SENIOR SITE RELIABILITY ENGINEER (FREELANCE)

Bayer AG | 07/2022 - 06/2024

AWS ACM, ALB, AppSync, API Gateway, App Runner, Athena, Backup, CloudFormation, CloudFront, CloudWatch, CloudTrail, Cognito, Cost Explorer, DevOps Guru, DocumentDB, DynamoDB, ECS, EFS, ElasticSearch, EventBridge, Glue, Grafana, IAM, Incident Manager, Lambda, KMS, Macie, NAT Gateway, OpenSearch, Prometheus, RDS (Postgres), RDS Performance Insights, Route53, S3, Service Catalog, SES, SNS, SQS, SSO, Step Functions, Systems Manager (SSM), Transfer Family, Transit Gateway, VPC, WAF, XRay **Other technologies** Ansible, Artifactory, aws-cli, Azure DevOps, Bash, Boto3, C4, Dependabot, Docker, Dome9, Draw.io, FigJam, Gatling, GitHub Actions, GitLab CI, Go, JavaScript, OAuth 2.0, OpenAPI, OWASP Top 10, PagerDuty, PlantUML, Python, Sentry, SonarQube, Splunk, Terraform, TFSec, Trivy

- Design and implementation of a tag-based opt-out backup strategy on AWS with AWS Backup
- Conceptual design and implementation of an incident management process with a custom Azure DevOps integration to create work items automatically by using AWS Incident Manager, Amazon EventBridge and AWS Step Functions
- Expansion of infrastructure and application monitoring by providing Grafana dashboards and CloudWatch alarms
- Securing the cloud infrastructure based on security best practices using Dome9, Dependabot, TFSec, Trivy
- Protecting multiple webshops against OWASP Top 10 Vulnerabilities by introducing a web application firewall using AWS WAF
- Configuration and standardization of CI/CD processes in GitLab and GitHub
- Implementation of Infrastructure-as-Code modules using Terraform
- AWS cost optimization by right-sizing the infrastructure and configuring auto scaling
- Implementation of resource-based IAM Policies for S3, DynamoDB and API Gateway to restrict access on resources within the same AWS accounts
- Alignment and configuration of a private network route between and external provider and multiple AWS accounts of the customer using the AWS Resource Access Manager (RAM) and AWS Transit Gateway
- Planning of load test scenarios and execution of load tests to identify bottlenecks in the infrastructure scalability using Gatling

SENIOR AWS DEVOPS ENGINEER (FREELANCE)

Soptim AG | 04/2022 - 07/2022

AWS ACM, ALB, API Gateway, Backup, Config, CloudFormation, CloudFront, CloudWatch, CloudTrail, Cognito, Control Tower, Cost Explorer, DynamoDB, ECS, EFS, EventBridge, IAM, KMS, Lambda, Macie, NAT Gateway, Organizations, Resource Access Manager (RAM), RDS (Postgres), RDS Performance Insights, Route53, SES, Service Catalog, S3, SNS, SQS, SSO, Systems Manager (SSM), Transit Gateway, VPC, WAF **Other technologies** Ansible, Artifactory, aws-cli, Bash, Boto3, Confluence, Docker, Draw.io, GitLab CI, Jira, Python, SonarQube, Terraform, Terragrunt

- Conception and implementation of an AWS account structure with AWS Organizations
- Conceptual design and implementation of a landing zone on AWS using AWS Control Tower, Terragrunt and Terraform
- Implementation of a cross-account network infrastructure on AWS with the intent to lower costs and to enable a central management of CIDR blocks within a VPC by using AWS Service Catalog and AWS Resource Access Manager (RAM)
- Configuration and standardization of CI/CD processes in GitLab
- Implementation of Terraform modules and AWS Service Catalog templates to simplify the adherence of company compliance rules within AWS

SENIOR AWS DEVOPS ENGINEER / SENIOR SITE RELIABILITY ENGINEER (FREELANCE)

ABOUT YOU SE & Co. KG | 08/2020 - 12/2021

AWS ACM, ALB, API Gateway, Backup, CloudFormation, CloudFront, CloudWatch, CloudTrail, CodePipeline, CodeBuild, CodeDeploy, Cognito, Cost Explorer, EC2, ECS, EFS, EKS, ElastiCache (Redis), ElasticSearch, IAM, KMS, Lambda, NAT Gateway, OWASP Top 10, Prometheus, RDS (Postgres, MySQL), RDS Performance Insights, Route53, S3, SES, SNS, SQS, Systems Manager (SSM), Transfer Family, VPC, WAF **Other technologies** Ansible, aws-cli, Bash, Bitbucket, Boto3, Confluence, Datadog, Docker, Dome9, Draw.io, FluentBit, Gatling, GitLab CI, Helm, Jenkins, Jira, Kubernetes (k8s), NewRelic, PagerDuty, ProFTPD, Python, Sentry, Terraform, Terragrunt

- Configuration and standardization of CI/CD processes in GitLab and Jenkins
- Setup of infrastructure for monitoring/alerting by providing CloudWatch Dashboards und CloudWatch Alarms

- Concept and implementation of an incident management process using PagerDuty
- Standardization of middleware and storefront infrastructure in a multi-tenant setup in AWS with CloudFormation and Terraform
- Implementation of Helm Charts and deployment of multiple components into a Kubernetes cluster based on EKS
- Fixing of Dome9 security findings to meet the company-wide compliance requirements
- Protection of storefronts against OWASP Top 10 Vulnerabilities by introducing a Web Application Firewall with AWS WAF
- Planning of load test scenarios and execution of load tests to identify bottlenecks in the infrastructure scalability using Gatling

AWS DEVOPS ENGINEER / SITE RELIABILITY ENGINEER (FREELANCE)

Modix GmbH | 07/2019 - 06/2020

AWS ACM, ALB, CloudFormation, CloudFront, CloudWatch, Cost Explorer, Database Migration Service (DMS), EC2, ECS, EFS, EKS, ElastiCache (Redis), ElasticSearch, IAM, KMS, NAT Gateway, RDS (MySQL), RDS Performance Insights, Route53, S3, SES, SNS, SQS, Systems Manager (SSM), VPC, WAF **Other technologies** Ansible, aws-cli, Bash, Bitbucket, Boto3, Confluence, Docker, Draw.io, GitLab CI, Helm, Jenkins, Jira, Kubernetes (k8s), NetApp, OpsGenie, OWASP Top 10, Packer, PHP, ProFTPD, Puppet, Python, Terraform, Vagrant

- Migration of NetApp-ONTAP Clusters from Rackspace to Amazon EFS
- Migration of multiple on-premise MySQL databases to Amazon Aurora (MySQL-compatible) by using AWS Database Migration Service (DMS) and native MySQL replikations
- Cost optimization and improvement of the scalability of existing applications on EC2 and ECS
- Providing re-usable Terraform modules to setup tenant environments
- Creation of security-hardened EC2 Amazon Machine Images (AMIs) for the usage with Amazon EC2 using Packer
- Securing APIs and customer portals against OWASP Top 10 Vulnerabilities by introducing Web Application Firewalls with AWS WAF
- Configuration and standardization of CI/CD processes in GitLab and Jenkins

AWS DEVOPS ENGINEER (FREELANCE)

European Consumer Rights GmbH | 06/2018 - 07/2019

AWS ALB, CloudFormation, CloudWatch, Cost Explorer, EC2, ElastiCache (Redis), IAM, KMS, RDS (MySQL), Route53, S3, SES, Systems Manager (SSM) **Other technologies** Ansible, aws-cli, Bash, Bitbucket, Boto3, Docker, Draw.io, Formstack, GitLab CI, Packer, PHP, ProFTPD, Python, Terraform, Vagrant

- Configuration and standardization of CI/CD processes in GitLab
- Creation of security-hardened EC2 Amazon Machine Images (AMIs) for the usage with Amazon EC2 using Packer
- Provisioning of AWS infrastructure based on EC2, RDS and ElastiCache
- Standardization of multiple ETL pipelines based on PHP and Formstack

AWS DEVOPS ENGINEER (FREELANCE)

Modix GmbH | 06/2017 - 05/2018

AWS ACM, ALB, CloudWatch, Cost Explorer, EC2, ECS, EFS, ElastiCache (Redis), IAM, KMS, NAT Gateway, RDS (MySQL), Route53, S3, SES, SNS, SQS, Systems Manager (SSM), VPC **Other technologies** Ansible, aws-cli, Bash, Bitbucket, Confluence, Docker, Draw.io, Jira, Kubernetes (k8s), Lumen (Laravel), Packer, PHP7, PHPUnit, ProFTPD, Puppet, Terraform, Vagrant, Varnish

- Implementation of re-usable AWS infrastructure modules based on Terraform
- Setup of Kubernetes Clusters based on EKS and implementation of Helm Charts
- Split a monolithic PHP application into micro services for better more independent scalability
- Implementation of a REST-ful API based on the Laravel API-Framework Lumen
- Implementation of Unit-Tests with PHPUnit in PHP7

AWS DEVOPS ENGINEER (FREELANCE)

The Plant UG | 10/2015 - 08/2016

AWS ACM, ALB, CloudFormation, CloudFront, CloudWatch, DynamoDB, ECS, IAM, NAT Gateway, Route53, S3, SES, Systems Manager (SSM), VPC **Other technologies** Ansible, aws-cli, Bash, Boto3, Confluence, Docker, GitLab CI, Jira, Python, Terraform

- Configuration and standardization of CI/CD processes in GitLab
- Implementation of re-usable AWS infrastructure modules based on Terraform
- Implementation of a Gaming-API based on ALB, DynamoDB and ECS

TECHNICAL PROJECT MANAGER (FREELANCE)

Sparkassen-Finanzportal GmbH | 06/2016 - 08/2016

Technologies Jira, Redmine

- Coordination of the development teams
- Dialog between product management, development and managing directors
- Backlog prioritization

LEAD PHP FULLSTACK DEVELOPER (FREELANCE)

Sparkassen-Finanzportal GmbH | 01/2016 - 04/2017

Technologies Bash, Bootstrap, CSS, Docker, Doctrine 2, Elasticsearch, HTML, JavaScript, jQuery, jqueryUI, Node.js, MySQL5, PHP7, PHPUnit, phpMyAdmin, REST, SOAP, Zend Framework 2

- Implementation of a multi-mandate RIA
- Implementation of system architecture with Docker
- Conception and implementation of unit tests

PHP FULLSTACK DEVELOPER (FREELANCE)

Air Berlin PLC & Co. Luftverkehrs KG | 10/2015 - 12/2015

Technologies Bash, CSS, HTML, JavaScript, jQuery, PHP5, PHPUnit, phpMyAdmin, REST, SOAP, WCAG, Zend Framework 1

- Adoption of user interfaces to WCAG 2.0 standard
- Extension of existing backend module in RIA

LEAD PHP FULLSTACK DEVELOPER (FREELANCE)

Sparkassen-Finanzportal GmbH | 10/2014 - 09/2015

Technologies Apigility, Angular 1, Bash, CSS, Doctrine 2, HTML, JavaScript, jQuery, jqueryUI, Node.js, MySQL5, PHP5, PHPUnit, phpMyAdmin, REST, SOAP, XSL, XSLT, Zend Framework 2

- Image scaling with Node.js
- Planning/ implementation of XSL templates
- Implementation REST-ful API
- Implementation frontend modules with Angular.js

LEAD PHP FULLSTACK DEVELOPER (FREELANCE)

Sparkassen-Finanzportal GmbH | 04/2014 - 10/2014

Technologies Bash, CSS, Doctrine 2, HTML, JavaScript, jQuery, jqueryUI, MySQL5, PHP5, PHPUnit, phpMyAdmin, REST, SOAP, Zend Framework 2

- Implementation SSO similar to OAuth2
- Implementation drag&drop with jqueryUI
- Migration PDF generation to wkhtmltopdf

PHP FULLSTACK DEVELOPER (FREELANCE)

Chemie.DE Information Service GmbH | 01/2014 - 03/2014

Technologies Apache Lucene, Bash, CSS3, HTML, JavaScript, jQuery, MySQL4, PHP5, PHPUnit, phpMyAdmin, Vagrant

- Development of dynamic slider and pagination elements with jQuery
- Development of CMS modules
- Integration HTML templates in CMS

PHP FULLSTACK DEVELOPER (FREELANCE)

Sparkassen-Finanzportal GmbH | 05/2013 - 12/2013

Technologies Bash, CSS, Doctrine 2, HTML, JavaScript, jQuery, MySQL4, PHP5, PHPUnit, phpMyAdmin, REST, SOAP, Zend Framework 2

- Implementation Gantt diagramm with web technologies
- Implementation complex ACL
- Implementation of SSO interfaces

PHP FULLSTACK DEVELOPER (FREELANCE)

Sparkassen-Finanzportal GmbH | 03/2013 - 05/2013

Technologies Bash, CSS, Doctrine 2, HTML, JavaScript, jQuery, MySQL4, PHP5, PHPUnit, phpMyAdmin, Zend Framework 2

- Refactoring job platform with the goal of performance optimization
- Unification of the user interfaces

WEB APPLICATION DEVELOPER (FREELANCE)

arctic-studios | 08/2007 - 03/2013

Technologies Bash, CSS, HTML, JavaScript, MySQL4, PHP5, phpMyAdmin, Plesk

- Development of mandate-based CMS

EDUCATION

HTW BERLIN

Master of Science (with distinction) | 04/2011 - 03/2013

Degree program: International Media and Computing

Specialization: Web technologies

HTW BERLIN

Bachelor of Science | 04/2008 - 03/2011

Degree program: International Media and Computing

AWARDS

2ND PLACE HACKATHON

Symbioticon (Hackathon Sparkassen-Finanzgruppe) | 2016

Development of the Knax pocket money app for children

SPECIAL PRICE STOCKS HACKATHON

Symbioticon #nonormal (Hackathon Sparkassen-Finanzgruppe) | 2018

Integration of banking and smart home

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Ben Oertel

Last updated: 2024-09-26