Petra Hoffmann Junior AWS Engineer

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PROFILE SUMMARY

- **Junior AWS Engineer** with **2 years** on a product team at **OTTO**, one of Germany's largest online retailers, after **3 years in IT operations** at Beiersdorf.
- Works across compute (**Amazon ECS**, **AWS Lambda**), IaC (**Terraform**), CI/CD (**GitHub Actions**), monitoring (**Amazon CloudWatch**) and **Python** with Boto3, and holds the **AWS Solutions Architect Associate** certification.
- Knows **event-driven jobs** on Lambda and EventBridge, **alarm tuning** and **non-production cost cleanup** well, and writes every change as code before it reaches an account.
- Works in a **6-person product team** with developers and the central **cloud platform team**, joins the **on-call rotation** for checkout services and reviews pull requests both ways.
- Wrote the **runbooks** for the 9 services the team owns, helps the team's **working student** learn Terraform, and is preparing for the **CloudOps Engineer Associate** exam.

TECHNICAL SKILLS

Compute & Containers:	AWS Lambda, Amazon ECS, AWS Fargate, Amazon EC2, Amazon EventBridge Scheduler
Networking & Content Delivery:	Amazon VPC, Application Load Balancer, Amazon Route 53, Amazon CloudFront, security groups
Security, Identity & Compliance:	AWS IAM, IAM Identity Center, AWS Secrets Manager, AWS KMS, AWS Security Hub, GDPR
Storage & Databases:	Amazon S3, Amazon RDS for PostgreSQL, Amazon DynamoDB, AWS Backup
Infrastructure as Code & CI/CD:	Terraform, GitHub Actions (OIDC), AWS CloudFormation (reading), Docker
Monitoring & Cost Management:	Amazon CloudWatch, CloudWatch Logs Insights, AWS Cost Explorer, AWS Compute Optimizer, Grafana
Scripting & SDKs:	Python, Boto3, Bash, PowerShell, AWS CLI, SQL

EDUCATION

HAW Hamburg — B.Sc. in Applied Computer Science (Angewandte Informatik) — Hamburg, Germany · Oct 2017 to Jul 2021

Amazon Web Services — AWS Certified Solutions Architect, Associate — Hamburg, Germany · Mar 2025

WORK EXPERIENCE

OTTO (Otto Group) — Junior Cloud Engineer — Hamburg, Germany · Oct 2024 to Present

- Wrote **14 Terraform modules** for the team's ECS services, S3 buckets and IAM roles, so all 3 of the team's AWS accounts now build from code instead of console clicks.
- Moved **6 nightly price feed jobs** from a cron server on EC2 to **AWS Lambda** on an EventBridge schedule, retiring 2 instances and a disk-full incident that came back every month.
- Rebuilt **21 CloudWatch alarms** around what customers feel (checkout errors, p99 latency) instead of CPU, cutting false pages for the on-call rotation from 30 a month to **4**.
- Set non-production ECS and RDS environments to stop outside office hours and right-sized 17 instances with Compute Optimizer, saving **€7,800 a month** on the team's AWS bill.
- Helped prepare the team's first review in the **AWS Well-Architected Tool**, then fixed **8 high-risk issues** in the reliability pillar, including single-AZ databases and missing backups.

Beiersdorf — IT Operations Engineer — Hamburg, Germany · Aug 2021 to Sep 2024

- Automated joiner and leaver steps in Active Directory with PowerShell, removing **1,100 stale accounts** and cutting the wait for standard access requests from 3 days to same day.
- Maintained firewall rules, VLANs and site-to-site VPN tunnels for **14 European sites**, and cleared a network change backlog that had grown to 6 weeks.
- Ran Veeam backups for **340 Windows and Linux servers** and started monthly restore tests, which found 3 broken backup jobs before anyone needed the data.