ANDREAS JÖRG

Andreas Jörg
Breitensteinweg 9
87549 Rettenberg, Germany
andreas@andreasjoerg.com
+49 160 912 074 29
www.andreasjoerg.com

M.SC. IN COMPUTER SCIENCE
Kempten University of Applied Sciences

LANGUAGES
Fluent: German, English

11 AWS CERTIFICATIONS

AWS SOLUTIONS ARCHITECT & INSTRUCTOR

It started with building — serverless systems, AWS CDK, multi-account AWS environments designed from scratch. The deeper the work went, the clearer it became: cloud infrastructure only endures when the people behind it truly own what they're running.

That realization led me to become an AWS Authorized Instructor. Not to leave architecture behind, but to complete it.

Today I architect secure AWS environments, deliver official AWS curriculum in German and English, and work beside engineering teams until the gap between design and understanding closes

HOW I WORK

ARCHITECTING
I start with the architecture — understanding what's already built, what's missing, and what needs to change. Then I build alongside your team, not in isolation. Every decision is documented, codified, and transferred.

AWS TRAINING & MENTORING
I teach the same way. Official AWS curriculum, delivered in German and English, grounded in the same real-world patterns your team will encounter in production.

CONSULTING
I work as a partner, with your team. By the time I leave, the infrastructure and the knowledge belong entirely to them.

If that aligns with what you're looking for, let's talk.

PROFESSIONAL EXPERIENCE

AWS AUTHORIZED INSTRUCTOR (AAI)
Amazon Web Services (AWS) and AWS Training Partner (ATPs) | 2023-Present

Delivering official AWS Training and Certification courses in German and English through AWS and AWS Training Partners (ATPs).

100+ training days. Average satisfaction rating: 4.87 / 5.0.

Courses: Architecting on AWS, Developing on AWS, Cloud Practitioner Essentials, Technical Essentials, Security Engineering on AWS.

CLOUD SOLUTIONS ARCHITECT
DEW21 Dortmunder Energie- und Wasserversorgung GmbH. | 2021- Present

Shaped the cloud strategy. Embedded with the internal team as architect, trainer, and technical reviewer.

Implemented the AWS Security Reference Architecture (AWS SRA) across 50+ account multi-account strategy. Built CI/CD pipelines using AWS CDK and TypeScript. Architected the data pipeline infrastructure for the Data Lake project. Trained the internal cloud team, reducing reliance on external consultants. Evaluated solutions proposed by external AWS service providers.

Technologies: AWS Security Reference Architecture (AWS SRA), AWS Network Firewall, AWS PrivateLink (VPC Endpoints), AWS CDK, CI/CD pipelines, Infrastructure as Code (IaC).

DEVELOPER AND CLOUD SOLUTIONS ARCHITECT
Freelance Projects | 2018-2021

Designed and built AWS-based solutions for local businesses.

Serverless transaction system using AWS Lambda, Amazon API Gateway, and Amazon DynamoDB. Infrastructure migrated to AWS CDK with self-mutating CI/CD pipelines. Cross-platform travel guide app built in Flutter and Dart. Operational costs optimized through serverless architecture and pay-as-you-go pricing model.

Technologies: AWS CDK, TypeScript, Lambda, Amplify, CloudFormation, Step Functions, Cognito, API Gateway, DynamoDB, S3, CloudFront.

AWS CERTIFICATIONS

AWS AUTHORIZED INSTRUCTOR AAI
AWS AUTHORIZED INSTRUCTOR

AWS PROFESSIONAL LEVEL
AWS CERTIFIED SOLUTIONS ARCHITECT
AWS CERTIFIED DEVOPS ENGINEER

AWS ASSOCIATE LEVEL
AWS Certified Solutions Architect
AWS Certified Developer
AWS Certified SysOps Administrator
AWS Certified Machine Learning Engineer

See the status of all my Certifications at:
https://www.credly.com/users/andreas-joerg

AWS SPECIALTY LEVEL
AWS CERTIFIED SECURITY
AWS CERTIFIED MACHINE LEARNING

AWS PRACTITIONER LEVEL
AWS CERTIFIED CLOUD PRACTITIONER
AWS CERTIFIED AI PRACTITIONER

DISCONTINUED CERTIFICATIONS
2019-2024
AWS Data Analytics - Specialty
AWS Database - Specialty
AWS Certified Advanced Networking –
Specialty

EARLIER CAREER

SOFTWARE DEVELOPER
kasasi GmbH | Kempten| 2017-2018

Telematics solutions using Java, Spring Framework, and Vert.x. RESTful APIs and microservices.
Database optimization with MongoDB and Redis.

SOFTWARE DEVELOPER (MASTER'S THESIS)
Dahlem Center for Machine Learning and Robotics | Freie Universität Berlin. | 2016-2017

Developed BioTracker, an open-source computer vision framework for tracking animal behavior —
a project rooted in my own experience as a beekeeper. Contributed to published research on
lifetime tracking of all members of a honey bee colony using learned models of correspondence.
C++, Qt, OpenCV.

ADDITIONAL POSITIONS

SOFTWARE DEVELOPER, FORSCHUNGSZENTRUM ALLGÄU, KEMPTEN (2013–2014)
SOFTWARE DEVELOPER, 3S-SMART SOFTWARE SOLUTIONS GMBH, KEMPTEN (2012–2013)
SYSTEM OPERATIONS, FIXEDMIND GMBH & CO. KG, SONTHOFEN (2010–2018)

EDUCATION

MASTER OF SCIENCE IN COMPUTER SCIENCE
University of Applied Sciences | Kempten | 2014-2018

Software Architecture, Computer Vision, Augmented Reality.
Thesis: "BioTracker: Design and implementation of a computer vision framework for animal tracking." Freie Universität Berlin.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
University of Applied Sciences | Kempten | 2010-2014

Computer Vision, Augmented Reality, Software Engineering.
Thesis: "Automatic recognition of markings on cast parts using computer vision."

VOCATIONAL TRAINING: OFFICE CLERK | IHK DEGREE
Frischdienst Allgäu GmbH | Sonthofen| 2002-2004

INTERNATIONAL EXPERIENCE

SCHOLARSHIP RECIPIENT (PRACTICAL SEMESTER ABROAD)
Deutsche Gesellschaft für Internationale Zusammenarbeit GIZ| Bonn | 2012-2013

Selected from roughly 1,200 applicants for a scholarship promoting international professional competence. Consulted with the Philippine Health Insurance Corporation in Manila on implementing a software system for insured data collection — combining years of international experience with my studies in computer science.

VOLUNTEER ENGLISH TEACHER
Summer School of Ban Nonwai |Thailand | 4 month in 2008 & 2010

Taught English conversation and grammar at a Buddhist temple school. Developed teaching materials for non-native speakers. Returned two years later because the work confirmed something: teaching came naturally to me.

WORK AND TRAVEL
Australia | 2006-2008

Two years working across tourism, agriculture, hospitality, and gastronomy. The beginning of an international path.

BEEKEEPING

Alpenimkerei.de | 2015 – Present

Founded a premium beekeeping business in the Allgäu Alps. Designed every detail — from custom Italian glass to branded gift packaging in beehive form. Featured in MERIAN magazine and DUMONT Bildatlas. The same passion that led to my work in computational bee tracking at Freie Universität Berlin.
https://alpenimkerei.de