

Alexander Pogorielov, Sr. Solutions Architect

Munich, Germany; interest@1e9.dev

LINKS

[LinkedIn](#),

[Publication: Building a serverless Jenkins environment on AWS Fargate](#)

[Publication: Centralizing outbound Internet traffic for dual stack IPv4 and IPv6 VPCs](#)

PROFESSIONAL SUMMARY

Senior Solutions Architect with a Master's degree in Computer Systems and Networks and over 14 years of hands-on IT experience. My background spans virtualization, cloud architecture (AWS, Google Cloud, OpenStack), Security, and recent innovations in AI/ML. I have successfully delivered 'live' projects for major enterprises like Cisco, British Telecom, and Colt. Currently, I build cutting-edge solutions for AWS customers, specializing in multi-agent systems using Strands Agents and LangGraph frameworks to drive the next generation of intelligent cloud applications.

EMPLOYMENT HISTORY

July 2025 - Present

Senior Solutions Architect, ISV, CEE

Munich

As a hands-on technical leader and member of the AWS AI/ML Technical Field Community (Generative & Agentic AI), I specialize in engineering advanced multi-agent systems using Strands Agents and LangGraph to solve complex autonomous workflows. I bridge the gap between AI innovation and security, providing expert guidance on securing AI/ML workloads and the AWS platform. I lead high-impact security gamedays and workshops at major events like AWS re:Inforce and Summits to demonstrate real-world defense strategies. In this capacity, I shape product strategy by representing the customer voice and drive the adoption of scalable, secure AI solutions through thought leadership.

Oct 2021 - June 2025

Sr. DevSecOps Architect, Amazon Web Services

Munich

As a DevSecOps Architect, I was responsible for designing and building secure, scalable and well architected solutions for our customers. This included support across all stages of the product lifecycle from working with customers to gather requirements and design, to full implementation and rollout of the solution.

Open-source-based machine learning and AI development platform

During this project, I led the design efforts and participated in implementation with the delivery team for an open-source machine learning and AI development platform, engineered for processing highly sensitive data. The solution was tailored to meet the customer's requirement for a highly customized, air-gapped environment for developing machine learning models. I was responsible for design, security considerations (including "secure by design" principle, threat modeling and security testing) and ensuring delivery excellence throughout the project. During the project, I established design-forward processes for building the solution. The success of the platform enabled four additional double-digit-million-dollar extensions, further enhancing the customer's capabilities with additional features and functionalities.

ADAS platform for German Automotive customer.

Led a team of consultants in the end-to-end delivery of a high-scale landing zone and MLOps environment, combining strategic oversight with 50% hands-on engineering. I designed and implemented an EKS-based MLOps platform for computer vision processing pipelines, utilizing Amazon SageMaker and Amazon EMR to orchestrate massive-scale ADAS data workflows. This initiative included architecting a multi-tenant networking system capable of supporting 100Gb bandwidth for rapid data ingestion from copy stations and engineering a low-latency (<50ms) authentication mechanism for both end-user applications and secure AWS account access. Beyond technical design, I managed the full software development lifecycle, including budgeting, staffing, and team enablement, ensuring the automated vending of compliant AWS accounts across the organization.

Dec 2019 - Oct 2021

Global DevOps Architect, Amazon Web Services

Munich

Part of my responsibility was to build large scale solutions for different customers. Solutions cover multiple aspects of DevOps ecosystem from CI/CD to container environments and are primarily delivered in a form of Terraform IaaS or AWS CDK. Complete solution includes monitoring, CI/CD, test, and security guardrails. Example of projects:

AWS Single Sign-on for Automotive customer:

Designed, implemented and rolled out serverless solution to automatically manage permissions and assignments for AWS Single Sign-on. Solution automatically manages events like account creation, deletion, migration, Organizational Unit (OU) CRUD operations, tag-based action and more. This solution allowed customer to minimize operation efforts by 30% and drastically minimize human errors when granting access to AWS Accounts.

EKS platform for Automotive customer:

During this project my responsibilities were to design and implement EKS platform for the customer that can handle over 1 billion requests per day. At the moment platform hosts more than 160 EKS clusters worldwide (inc. China) and is used by more than 700 developers.

CI/CD Platform for Automotive customer:

As part of engagement designed and implemented auto-generated pipelines for software delivery. Solution covers more than 600 pipelines that roll out services in multiple locations worldwide including China.

IPv6 rollout for Automotive customer:

Conceptualized, prototyped and rolled out of IPv6 networking cloud architecture for more than 3k accounts.

Jan 2018 - Dec 2019

Development Operations Engineer, Conde Nast Germany

Munich

Solely responsible for the design, build, and scaling German web platform for brands like Vogue, GQ, Glamour. Achieved 40% overall cost reduction for the platform by optimizing and automating processes. Introduced Jenkins based CI/CD solution for optimal build, testing and delivery of the software. Introduced Docker-based packaging of the software as well as Kubernetes-based local development environments.

Nov 2016 - Sep 2017

Sr. DevOps, DataArt

Lviv

July 2013 - Nov 2016

Cloud Engineer/DevOps (R'n'D), various companies

Lviv

Nov 2011 - July 2013

Technical Support Engineer, ThinkGrid - A Colt Group Company

Lviv

EDUCATION

Lviv

Sep 2007 - May 2012

Master, Lviv Polytechnic National University

Degree in Computer Systems and Networking

HIGHLIGHTED CERTIFICATIONS

- [AWS Solution Architect Professional](#)
- [AWS Security Specialty](#)
- [AWS Solution Architect Associate](#)
- [AWS AI Practitioner](#)
- [AWS Developer Associate](#)
- [AWS SysOps Associate](#)
- [Certified SAFe® 5 Advanced Scrum Master](#)

LANGUAGES:

English - Fluent
 Ukrainian - Native
 German - B1

RESIDENCY:

German Citizenship