

Sylvain Leroy

AWS SOLUTION ARCHITECT - MIGRATION & MODERNIZATION SPECIALIST

Switzerland

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"Transforming legacy systems into cloud-native solutions"

Professional Summary

- **AWS Solution Architect** with 17+ years delivering cloud migration and modernization projects worth \$1M+ ARR across EMEA
- **Achieved 6 AWS certifications in 12 months** including Solutions Architect Professional and DevOps Professional
- **Led 25+ customer engagements** in 6 months, winning 3 migration projects exceeding \$1M ARR each
- **Founded and scaled Tocea**, a software modernization company serving banks, insurances, and public organizations
- **Delivered migration guide for Firebase to AWS** impacting 100+ Solution Architects worldwide
- **Built enterprise-grade solutions** including IoT edge deployments and high-speed streaming platforms for satellite data

Experience

AMAZON WEB SERVICES

Lausanne, Switzerland

SPECIALIST SOLUTION ARCHITECT - MIGRATION & APP MODERNIZATION

January 2023 - Present

- Accelerated customer cloud adoption by winning 3 migration projects worth \$1M+ ARR each through expert GCP-to-AWS migration strategies and TCO analysis
- Achieved 6 AWS certifications in 12 months (SA Pro, DevOps Pro, SysAdmin, Database Specialty) demonstrating rapid technical mastery
- Scaled AWS expertise globally by delivering Firebase-to-AWS migration guide impacting 100+ Solution Architects worldwide
- Built enterprise IoT edge solution for Swiss maritime customer using AWS IoT Greengrass v2, reducing deployment complexity by 60%
- Engineered high-speed streaming platform for satellite data processing using Apache Spark and AWS Glue, achieving sub-second latency
- Automated GCP billing analysis by developing TCO calculation tool with machine learning algorithms, reducing migration assessment time from weeks to hours
- Enhanced Well-Architected reviews by creating GenAI-powered custom lens generator, improving review efficiency by 40%
- Drove thought leadership through 2 Twitch sessions, 3 public talks, and 4 summit presentations, expanding AWS community reach
- Managed diverse EMEA portfolio covering 8 countries with 70% pre-sales focus, 20% existing customer expansion

Zurich, Switzerland

L2ZLABS GMBH

PRODUCT OWNER / SOLUTION ARCHITECT

September 2021 - December 2022

- Led product strategy for 3 mainframe modernization tools serving 60+ developers, increasing customer adoption by 40%
- Architected and delivered multiple IDE releases within 12 months, reducing mainframe development cycle time by 30%
- Guided 2 enterprise customers through complete COBOL/JCL mainframe migrations, saving \$2M+ in legacy system maintenance costs
- Built automated testing framework for mainframe migrations using machine learning for code analysis, reducing manual testing effort by 70%
- Managed cross-functional team of 3 specialists, delivering new migration product from concept to market in 8 months
- Streamlined development processes by transitioning to new development team while maintaining zero downtime

KEYTEO - ASSURA

Lausanne, Switzerland

TECHNICAL LEADER

March 2021 - September 2021

- Led core ERP migration from AS400 to Adcubum Sirius for 100+ staff project, delivering on-time and within budget
- Architected enterprise integration layer using TIBCO, handling 10,000+ daily transactions with 99.9% uptime
- Managed technical team of 15 people including architects and developers in Agile/Scrum environment
- Established software quality standards and best practices, reducing production defects by 50%
- Designed REST/SOAP services architecture supporting scalable insurance operations

SALP SA

Renens, Switzerland

SOLUTION ARCHITECT

March 2020 - March 2021

- Modernized payment system serving 30-person IT team by migrating 4 backends from Spring 2/Java 5 to Spring 5/Java 11
- Delivered complete system modernization in 12 months including automated testing and UI rebuild, improving performance by 60%
- Reverse-engineered legacy payment system integrating 5 software components and Datatrans provider
- Implemented hexagonal architecture pattern, reducing system coupling and improving maintainability by 40%
- Mentored junior developers and established modern development practices across distributed team (15 nearshore)
- Migrated frontend from GWT to modern SPA using TypeScript/Webpack, improving user experience and load times by 50%

TOCER

Switzerland

FOUNDER & CTO

2017 - 2021

- Founded and scaled software modernization consultancy serving banks, insurances, and public organizations across Europe
- Developed proprietary code analysis tools using machine learning algorithms, reducing legacy system assessment time by 80%
- Led modernization projects worth \$5M+ total value, helping clients migrate from COBOL, mainframe, and AIX systems
- Built team of 12 specialists in software quality and modernization, achieving 95% client retention rate
- Established partnerships with major technology vendors, expanding service offerings and market reach

VARIOUS COMPANIES

Europe

SENIOR SOFTWARE ENGINEER / TECHNICAL LEAD

2007 - 2017

- Led software development teams across multiple industries including finance, telecommunications, and e-commerce
- Architected and delivered enterprise applications serving millions of users with 99.9% availability
- Implemented DevOps practices and CI/CD pipelines, reducing deployment time from days to hours
- Mentored 20+ junior developers and established coding standards across multiple organizations
- Specialized in Java ecosystem, Spring Framework, and database optimization for high-performance systems

Core Technologies

Cloud Platforms	AWS (6 certifications), GCP (2 certifications)
Programming	Java 8/11+, Python, TypeScript, JavaScript
Architecture	Microservices, Event-Driven, Hexagonal, CQRS, DDD
Infrastructure	Docker, Kubernetes, Terraform, CDK, CI/CD
Databases	PostgreSQL, DynamoDB, MongoDB, Oracle
Frameworks	Spring Boot, AWS Lambda, Node.js, React
Legacy Systems	Mainframe (COBOL, JCL), AIX, Legacy Migration
AI/ML & Analytics	GenAI, Machine Learning, Apache Spark, AWS Glue

Education

GCP DEVOPS PRO CERTIFICATION	<i>Online</i>
PEARSON	2023
MONGODB FOR AWS ARCHITECT CERTIFICATION	<i>Online</i>
PEARSON	2023
GCP ASSOCIATE CLOUD ENGINEER CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS SOLUTION ARCHITECT PRO CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS DEVOPS PRO CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS DEVELOPER ASSOCIATE CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS DATABASE SPECIALITY CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS SOLUTION ARCHITECT ASSOCIATE CERTIFICATION	<i>Online</i>
PEARSON	2023
AWS SYSOPS ASSOCIATE CERTIFICATION	<i>Online</i>
PEARSON	2023
INTRODUCTION TO IBMi/RPG LANGUAGE	<i>Online</i>
METRIXWARE	Jan 2021
ANGULAR 2 TRAINING	<i>Geneve</i>
NINJA SQUAD	Jan 2017
INTRODUCTION TO COBOL AND 3270	<i>Nanterre</i>
METRIXWARE	2015
STATIC ANALYSIS AND REFACTORING TOOLS, RESEARCH PROJECT	<i>Rennes</i>
INRIA/IRISA	Jun 2007-2010
PERFORMANCE AND MICRO ARCHITECTURE, MASTER'S PROGRAM	<i>Rennes</i>
UNIVERSITY OF RENNES 1	Sep 2004-Jun 2007
BACHELOR OF COMPUTER SCIENCES	<i>Rennes</i>
UNIVERSITY OF RENNES 1	Sep 2002-Jun 2004

Honors & Awards

INTERNATIONAL

2013	Finalist , Innovation award from the French Ministry of the Industry (Créadev)	<i>Paris, France</i>
2012	Finalist , Innovation award from the French Ministry of the Industry (Emergence)	<i>Paris, France</i>
2011	Laureate , Phar Fund laureate	<i>Rennes</i>