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

LZLABS GMBH   *Zurich, Switzerland*

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 Syrius 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

SALT 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%

TOCEA   *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 DevOpsPro certification
Pearson

Online

2023

MongoDB for AWS Architect certification
Pearson

Online

2023

GCP Associate cloud engineer certification
Pearson

Online

2023

AWS Solution Architect pro certification
Pearson

Online

2023

AWS Devops PRO certification
Pearson

Online

2023

AWS Developer associate certification
Pearson

Online

2023

AWS Database speciality certification
Pearson

Online

2023

AWS Solution Architect associate certification
Pearson

Online

2023

AWS SysOps associate certification
Pearson

Online

2023

Introduction to IBMi/RPG Language
Metrixware

Online

Jan 2021

Angular 2 Training
NINJA SQUAD

Geneve

Jan 2017

Introduction to Cobol and 3270
Metrixware

Nanterre

2015

Static analysis and refactoring tools, Research Project
INRIA/IRISA

Rennes

Jun 2007-2010

Performance and Micro Architecture, Master's Program
University of Rennes 1

Rennes

Sep 2004-Jun 2007

Bachelor of Computer Sciences
University of Rennes 1

Rennes

Sep 2002-Jun 2004

Honors & Awards

International

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