



Cloud Native Software Development

Challenges

Missing agility in a fast-changing market

It is quite common to have fast benefits with modern applications built for on-prem operations in their first years. But they face big challenges as soon as they need to adapt and grow to fast-changing market demands and increasing volumes. Traditional applications then face performance problems, significant downtimes and need substantial investments in hardware and refactoring when hosted on-premise. Ensuring 24/7 availability for business-critical applications becomes crucial. Moreover, modern applications present complex dependencies and configurations, adding to the burden to deliver in time for the fast-changing market

The ELCA Solution

Agile Cost-Optimized Cloud Native Software Development using ELCA and AWS joint experience

ELCA and AWS offer specialized services to build your cloud native software solution using cloud native Architecture, running on highly **Abstracted System** platforms like AWS EKS on Fargate. They are supported by a fully **Automated** CI/CD pipeline in a DevOps **Organization** working with ELCA's scaled start-up approach.

This cost-effective, comprehensive ELCA Solution addresses your challenges on enhancing efficiency, flexibility, and reliability for your business and ensures YOU stay ahead of the fast-changing market.

Benefits

We build your cloud native software solution by combining cloud native architecture, efficient tooling and DevOps excellence to maximize resilience, engineering efficiency and business agility.

Time-to-market

Cloud-native software solutions are deployed quickly and easily, enabling faster time-to-market and better responsiveness to changing business needs.

Scalability

Cloud-native software solutions are designed to scale easily to changing demands without compromising on performance.

Efficiency

Cloud-native software solutions are developed and deployed using standardized tools, highly automated processes and DevOps teams, improving developer productivity and reducing errors .

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ELCA on AWS

ELCA boasts a dynamic, international team proficient in delivering tailor-made and standardized digital transformation solutions in Switzerland, generating positive impacts for over 1,000 clients. AWS, on the other hand, excels in its elasticity, rapid infrastructure deployment capabilities, foundational support for DevOps, scalability, global presence, and provision of fail-fast enablers. By combining ELCA's expertise in business-technology interface solutions with AWS's robust operational tools and agility, organizations can achieve transformative IT operations, fostering business agility, innovation, and efficient governance within a secure and scalable environment. This collaboration offers a comprehensive solution to meet diverse business needs effectively.

ELCA

Use Case: TIXNGO



> Challenges

TIXNGO aims to provide a secure, user-friendly, and efficient mobile ticketing experience, addressing the challenges of ticket fraud and enhancing the overall user experience in event attendance. In a world where security and user experience are paramount, TIXNGO faced the daunting task of ensuring the integrity and reliability of its platform while managing the seamless distribution and redemption of tickets.

> Solution

TIXNGO is implemented using the sophisticated AWS solutions to overcome these challenges.: AWS Cognito, Fargate, S3, SES, Aurora, Lambda, Gateway and Cloudwatch are only a few of the AWS services used. They are built using the best practices of the AWS well architected framework with an ELCA scaled startup approach.

> Results

TIXNGO is a shining example of innovation and success in this realm, revolutionizing mobile ticketing solutions and serving millions of users with its advanced technology stack, including Spring Boot, Flutter, and Postgres, all harmoniously integrated on the robust platform of AWS services.



Features

AWS Well Architected Framework

ELCA applies the AWS Well Architected Framework to ensure cloud-native applications seize the most out of the cloud environment at optimized costs.

ELCA Scaled-startup

ELCA's scaled startup approach ensures, the MVP is ready to scale up to a full-fledged tailor-made Enterprise Solution without the need of high investments in hardware or costly refactoring.

ELCA managed capacity

Delivering our services using a managed team ensures the team scales up and down along with the customer demand allowing ELCA to take over responsibility on the quantity and quality of the features needed

Operation by ELCA in SaaS mode

This exclusive option extends the benefits you get from cloud-native software development to where we also operate the solution for you on AWS. This model pushes even further the efficiency and agility you get thanks to our industrialized engineering platform around a strong DevOps culture.

Visit [AWS Marketplace](#) <or [AWS Partner website \(link\)](#)> to purchase or start a Free Trial today.



Get started with
ELCA solutions on AWS



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ELCA
We make it work.