

Lucas S.

Senior Solutions Architect

SUMMARY

- Principal Solutions Architect with 8+ years in Kubernetes (EKS, AKS, OpenShift), cloud-native architecture, and generative AI for real-time financial fraud detection
- Led cloud transformation for 150+ enterprise customers, including Fortune 500, specializing in scalable, resilient platforms on AWS, Azure, and hybrid clouds
- Expertise in DevOps, SRE, GitOps (ArgoCD, Flux), IaC (Terraform, Bicep), and multi-cluster Kubernetes strategies in regulated environments
- Skilled in designing and optimizing high-throughput, cost-efficient systems with low latency and massive data scale
- Experience in Python, .NET, and automation tooling, plus leadership in cloud solution architecture and container adoption

TECHNICAL SKILLS

Main Technical Skills	AWS
AI Tools & Assistants	Cursor, GitHub Copilot
Programming Languages	Java, Python
AI & Machine Learning	AI, AWS SageMaker, AWS SageMaker (Amazon SageMaker), Azure AI, Gen AI
.NET Platform	.NET
Data Analysis and Visualization Technologies	ETL
Cloud Platforms, Services & Computing	AWS, Azure, Serverless
Azure Cloud Services	AKS, Azure AI, Azure DevOps, Azure Kubernetes
Amazon Web Services	AWS Bedrock, AWS Cloudformation, AWS ECS (Amazon Elastic Container Service), AWS Elastic Kubernetes Service, AWS Elastic Kubernetes Service (EKS), AWS SageMaker, AWS SageMaker (Amazon SageMaker)
Deployment, CI/CD & Administration	Ansible, ArgoCD, CI/CD, Flux, GitOps
Web/App Servers, Middleware	Apache Kafka
Third Party Tools / IDEs / SDK / Services	Cursor
	Docker, Kubernetes, Terraform

Virtualization, Containers and Orchestration	
Version Control	GitHub, Github Actions
Methodologies, Paradigms and Patterns	IaC
Platforms	Microsoft, Red Hat OpenShift Container Platform
Scripting and Command Line Interfaces	PowerShell
Operating Systems	RedHat
Other Technical Skills	Bicep, Elastic Kubernetes Service, IBM Cloud, SRE

WORK EXPERIENCE

Expert Solutions Architect, Feedzai (Real-time Financial Fraud Detection and Generative AI Adoption)

Duration: Oct. 2025 - Present

Summary: Leading the design and delivery of resilient, scalable, and cost-efficient fraud prevention solutions for enterprise customers in Latin America. The project focuses on real-time financial fraud detection requiring extreme resilience, low latency, and massive data scale. Additionally, driving the adoption of Generative AI tooling to enhance engineering productivity.

Responsibilities:

- Act as the central technical leader connecting Product, Engineering, and Sales teams.
- Champion Generative AI tooling adoption across LATAM.
- Lead cloud cost optimization initiatives to reduce operational spend.
- Drive architectural decisions and align cross-functional teams for customer success.
- Design end-to-end solution architectures for complex multi-country projects.
- Reduce production incidents through proactive troubleshooting and architecture reviews.

Technologies: Kubernetes, AWS, Java, Generative AI tools (Kiro, Cursor).

Senior Solutions Architect, Amazon Web Services (AWS) (Cloud, Data Strategy and Generative AI Adoption)

Duration: Oct. 2024 - Oct. 2025

Summary: Supporting customers in their cloud journey focusing on application modernization, DevOps, generative AI, data, security, and cloud migration. Leading generative AI adoption in startups and delivering strategic technical enablement for mission-critical projects across multiple industries.

Responsibilities:

- Advise clients on cloud, data strategy, and generative AI adoption.
- Lead Architecture Design Sessions for resilient, scalable, and secure AWS solutions.
- Provide hands-on guidance for complex Elastic Kubernetes Service (EKS) initiatives.



- Mentor and contribute to container-focused solutions growth within AWS SMB customer base.

Technologies: AWS, Elastic Kubernetes Service (EKS), Generative AI.

Customer Engineer/Cloud Solution Architect, Microsoft (LATAM)

Duration: May 2021 - Sep. 2024

Cloud Solution Architect, Application Modernization and Cloud-Native Adoption

Duration: Jul. 2023 - Sep. 2024

Summary: Helping Microsoft's top 145 global enterprise customers in Latin America succeed in application modernization by defining strategic vision and technical roadmaps. Accelerating cloud-native adoption and conducting architecture design sessions for complex multi-country projects.

Responsibilities:

- Define strategic vision and technical roadmap for application innovation.
- Accelerate cloud-native adoption including AKS, Azure DevOps, and GitHub Actions.
- Conduct architecture design sessions for multi-country projects.
- Upskill over 100 professionals on Kubernetes and DevOps.
- Design and implement CI/CD pipelines and GitOps strategies.
- Modernize critical applications to enhance performance and scalability.

Technologies: Azure Kubernetes Service (AKS), Azure DevOps, GitHub Actions, Kubernetes, CI/CD, GitOps.

Cloud Solution Architect, Containers and DevOps Adoption for Brazilian Enterprises

Duration: Jul. 2022 - Jul. 2023

Summary: Supporting over 40 major Brazilian enterprises in digital transformation through cloud-native architectures, containerization, and DevOps best practices. Leading migration initiatives to Azure Red Hat OpenShift, AKS, and Azure Container Apps for Fortune 500 customers.

Responsibilities:

- Design and implement cloud-native architectures using containers, serverless, and GitOps.
- Lead strategic architecture and migration to ARO, AKS, and Azure Container Apps.
- Provide expert guidance on DevOps, Infrastructure as Code, and GitHub Actions.
- Promote AI-assisted development as GitHub Copilot Evangelist.
- Introduce Site Reliability Engineering frameworks to improve operational reliability.
- Drive containerization and Kubernetes migration strategies for legacy applications.
- Co-organize DevOps4Women to promote diversity and inclusion.

Technologies: Azure Red Hat OpenShift (ARO), Azure Kubernetes Service (AKS), Azure Container Apps, Bicep, Azure DevOps, GitHub Actions, Kubernetes, GitHub Copilot.

Customer Engineer, App Modernization and DevOps Enablement

Duration: May 2021 - Jul. 2022



Summary: Supporting enterprise customers in Brazil with application modernization and adoption of DevOps and Kubernetes practices. Enhancing software delivery pipelines and enabling AI-powered solutions in regulated industries.

Responsibilities:

- Advise key enterprise accounts on DevOps, CI/CD, SRE, and Infrastructure as Code.
- Design and implement cloud-native architectures using AKS, Azure DevOps, and GitHub.
- Support national digital transformation initiatives with AI-powered solutions.
- Develop internal tools and automation scripts to accelerate support and operations.
- Lead workshops and training sessions on Kubernetes, DevOps, and Azure AI.

Technologies: Azure Kubernetes Service (AKS), Azure DevOps, GitHub, Python, .NET, PowerShell.

Cloud Platform Solutions Architect Intern/DevOps Specialist, IBM

Duration: Jan. 2019 - May 2021

DevOps Specialist, DevOps Culture Adoption and Automation

Duration: Oct. 2020 - May 2021

Summary: Driving DevOps culture adoption and automation within infrastructure consulting teams by implementing container-based architectures and Infrastructure as Code solutions. Developed internal tools to improve operational efficiency and cloud cost forecasting.

Responsibilities:

- Lead DevOps methodology adoption across infrastructure consulting teams.
- Implement container architectures with Kubernetes and Docker.
- Design and maintain IaC solutions using Terraform and Ansible.
- Develop internal tools and dashboards for automation and cloud cost forecasting.
- Deliver proofs-of-concept for CI/CD automation, compliance, and self-healing infrastructure.
- Act as technical reference for DevOps best practices influencing architectural decisions.

Technologies: Kubernetes, Docker, Terraform, Ansible, CI/CD.

Cloud Platform Solutions Architect Intern, Cloud Solution Architectures and Internal Tools Development

Duration: Jan. 2019 - Oct. 2020

Summary: Responsible for creating cloud solution architectures based on client requirements, delivering presentations and demos, and developing internal tools and prototypes to support cloud platform solutions.

Responsibilities:

- Create cloud solution architectures tailored to client needs.
- Prepare and deliver presentations and demos for clients and partners.
- Develop internal tools and prototypes to support cloud platform initiatives.



Web Engineer, Web Development Projects

Duration: Jan. 2018 - Dec. 2018

Summary: Web development projects serving clients in São Paulo and surrounding regions, delivering web solutions tailored to client specifications.

Responsibilities:

- Develop web applications and websites for clients.
- Manage project requirements and deliverables independently.

EDUCATION

- **Universidade Federal do ABC - UFABC**
Bacharelado, Ciência da Computação
2018 - 2023
- **Universidade Federal do ABC - UFABC**
Bacharelado, Ciência e Tecnologia
June 2018 - December 2022
- **ETEC São Mateus**
Técnico, Informática para a Internet integrado ao Ensino Médio
2015 - 2017

CERTIFICATION

- AWS Certified Solutions Architect
- CKAD
- Microsoft Certified: DevOps Expert
- Microsoft Certified Trainer (MCT)
- Simplifying Data Pipelines with Apache Kafka
- Getting Started with Containers on IBM Cloud
- Deep Learning Fundamentals
- Watson and Cloud Foundations
- Docker Essentials: A Developer Introduction

