

LUIS E. MENA

Senior Cloud Architect | 9x AWS Certified | Ex-Amazon

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SUMMARY

Senior Cloud Architect with 15+ years of experience and 9x AWS certifications, including Solutions Architect Professional, DevOps Professional, and Security Specialty. Former Amazon Web Services employee with hands-on expertise designing and delivering cloud-native solutions for enterprise clients across Latin America. Specialized in cloud migrations, application modernization, Infrastructure as Code (Terraform, AWS CDK), and DevOps automation at scale.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (EC2, Lambda, S3, RDS, IAM, EventBridge, SQS, SNS, API Gateway, Cognito, Secrets Manager, CloudWatch, X-Ray, EKS, ECS, Aurora, ElastiCache), Azure (Fundamentals)

Infrastructure as Code: Terraform, AWS CDK, AWS CloudFormation

Containers & Orchestration: Docker, Kubernetes (EKS), ECS (Fargate)

CI/CD & DevOps: GitHub Actions, GitLab CI/CD, CodePipeline, Bitbucket Pipelines, GitOps, Shift-left Testing

Languages & Frameworks: Java (17+), Spring Boot, Spring Cloud, Python, JavaScript (Node.js), RESTful & Async APIs

Databases & Caching: PostgreSQL, MySQL, Amazon Aurora, MongoDB, DynamoDB, Redis, ElastiCache

Observability & Security: Prometheus, Grafana, CloudWatch, X-Ray, OAuth 2.0, JWT, IAM Hardening, Secrets Manager, SSM

Architecture & Design: Microservices, Event-Driven Systems, DDD, Hexagonal Architecture, Clean Architecture, High Availability, Multi-account AWS

WORK HISTORY

Cloud Architect | **Dynamic Devs** | 2025 - Present

Cloud architecture consulting for enterprise clients across Latin America, specializing in cloud migrations, application modernization, and pre-sales technical engagements.

- Leading GCP-to-AWS migration initiatives, designing target architectures aligned with AWS Well-Architected Framework principles, enabling improved scalability, security, and cost efficiency.
- Developing Proof of Concepts (PoCs) for pre-sales engagements, translating technical requirements into actionable migration roadmaps that accelerate client decision-making.
- Advising clients on multi-account AWS strategies, landing zone design, and governance best practices to support scalable and secure cloud adoption at enterprise scale.

Technologies: AWS, Terraform, AWS CDK, GCP, Docker, Kubernetes, GitHub Actions

Cloud Application Architect | **Amazon Web Services (AWS) – Chile** | 2022 - 2025

Employed directly by Amazon Web Services, supporting enterprise clients across Latin America in cloud adoption, modernization, and DevOps transformation initiatives.

- Led cloud migration of 10+ enterprise applications using Lift-and-Shift and Replatforming strategies, reducing deployment time by 40% and increasing platform availability to 99.99%.
- Designed event-driven architectures with Amazon EventBridge, SQS, and AWS Lambda, improving message processing latency by 30% through loosely coupled system design.
- Refactored legacy applications into microservices using AWS CDK and Terraform, cutting manual configuration errors by 70% through GitOps workflows.
- Built fully automated CI/CD pipelines using GitHub Actions and GitLab CI/CD across multi-account AWS setups, integrating testing, security scanning, and environment promotion.
- Implemented observability stacks combining CloudWatch, X-Ray, Prometheus, and Grafana, contributing to a 25% reduction in security incidents through IAM hardening and secrets management.

Technologies: AWS (EC2, RDS, S3, IAM, Lambda, SQS, SNS, API Gateway, CloudFormation, CDK), Terraform, Kubernetes, GitOps, GitHub Actions, GitLab CI/CD, Prometheus, Grafana

Cloud Solutions Architect | **BNamericas – Chile** | 2020 - 2021

Architecture role focused on modernizing legacy systems into cloud-native microservices platforms and establishing DevOps practices across engineering teams.

- Led redesign of a legacy monolith into a distributed microservices platform using Spring Boot, increasing release velocity by 40% and reducing system downtime by 30%.
- Delivered serverless applications with AWS Lambda, Step Functions, API Gateway, and DynamoDB, cutting infrastructure overhead by 50% and lowering operational costs by 20%.
- Implemented IaC with AWS CloudFormation and CI/CD via Bitbucket Pipelines, reducing deployment time by 40% and production incidents by 35%.

Technologies: Spring Boot, Java, AWS Lambda, Step Functions, API Gateway, DynamoDB, CloudFormation, EC2, IAM, GitLab CI/CD, CloudWatch

Technical Lead | **Banco BCI – Chile** | 2019 - 2020

Technical leadership at one of Chile's largest financial institutions, delivering backend services for a high-traffic mobile banking platform.

- Led development of key modules for the mobile banking app, driving a 25% increase in user engagement through new self-service and transactional features.
- Designed and implemented secure RESTful APIs using Java and Spring Boot, ensuring high availability and reducing integration bugs by 30%.

Technologies: Java, Spring Boot, REST APIs, Jira

Software Engineer | Technical Lead | **Nisum Latam – Chile** | 2016 - 2019

Consulting engagement across transportation, banking, and retail enterprise clients, progressing from Software Engineer to Technical Lead.

- Mobile ticketing platform for Turbus: 35% increase in mobile sales within two months of launch.
- Scotiabank HISA product launch: 1,000+ new accounts in the first month with 100% regulatory compliance.
- Sodimac home delivery platform: microservices architecture reduced downtime by 50% and improved delivery velocity by 35%.

Technologies: Java, Spring Boot, REST APIs, JavaScript, PostgreSQL, MySQL, Docker, GitLab CI/CD

Software Engineer | **Soltein – Ecuador** | **Freelance – Cuba** | 2010 - 2016

- Built electronic invoicing solution compliant with Ecuador's E-Commerce Law, reducing manual invoicing time by 60%.
- Developed high-volume data processing module for DINARDAP managing 4+ TB of financial records, reducing ingestion time by 40%.

Technologies: Python, Java, Spring Framework, Django, PHP, PostgreSQL, MySQL, Git, Linux

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (*Valid through Feb 2029*)
- AWS Certified DevOps Engineer – Professional (*Valid through May 2027*)
- AWS Certified Security – Specialty (*Valid through Jul 2027*)
- AWS Certified Data Engineer – Associate (*Valid through Jan 2029*)
- AWS Certified Solutions Architect – Associate (*Valid through Feb 2029*)
- AWS Certified SysOps Administrator – Associate (*Valid through May 2027*)
- AWS Certified Developer – Associate (*Valid through May 2027*)
- AWS Certified Cloud Practitioner (*Valid through Feb 2029*)
- AWS Certified AI Practitioner (*Valid through Mar 2028*)
- KCNA: Kubernetes and Cloud Native Associate (*Valid through Jun 2027*)
- Microsoft Certified: Azure Fundamentals (*Issued Aug 2020*)

EDUCATION

Bachelor's in Computer Science – Informatics Sciences University, 2005–2010 | Cuba

Graduated with honors (GPA: 5.22/5.00)

LANGUAGES

English (Fluent) | Spanish (Native)