

Luis De Freitas

Enterprise Strategy Leader

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PROFESSIONAL SUMMARY

Senior Solution Architect with 15+ years of experience designing cloud, data, integration, and security solutions for regulated enterprises. Experienced in target-state architecture, technology roadmaps, application rationalization, modernization, analytics platforms, and architectural governance.

ENTERPRISE COMPETENCIES & ARCHITECTURE STACK

Strategic Architecture & Governance: Target-state architecture, technology roadmaps, architectural review boards (ARB), capability modeling, software rationalization, TOGAF, ITIL.

Cloud & Infrastructure: AWS, Redshift, DynamoDB, cloud migration strategy, microservices architecture, event-driven patterns, high availability, disaster recovery (BC/DR), OpenShift.

Data Architecture & Analytics: Snowflake, MicroStrategy, Visier Analytics, Oracle Analytics Server, data warehousing, ETL pipelines, SSIS, DTS, enterprise reporting.

Security & Compliance: Information security governance, risk mitigation, zero-trust frameworks, ransomware resilience, GLBA, PCI DSS, SOC 1 Type I, CECL.

Engineering: .NET, Java, Python, PHP, JavaScript, SQL Server, Oracle, MySQL, REST APIs, Agile/Scrum.

PROFESSIONAL EXPERIENCE

Paychex

08/2021 – Current

Solution Architect II

- Evaluated and benchmarked the enterprise business intelligence stack, including Visier, Power BI, Oracle Analytics Server, and internal reporting tools, to reduce licensing costs and unify corporate data delivery.
- Architected the Visier Analytics integration with the flagship Flex platform, expanding advanced analytics to more than 700,000 corporate clients and improving access to retention insights.
- Architected the integration of the client-facing MicroStrategy analytics platform with the Flex ecosystem, unifying reporting interfaces and scaling self-service business intelligence for high-concurrency demand.
- Collaborated on the enterprise ransomware resilience and disaster recovery strategy, establishing cross-functional security guardrails and immutable architecture patterns to protect mission-critical business lines.
- Led modernization of the enterprise document storage ecosystem, defining a highly scalable, cloud-native target state that reduced compliance risk and improved data lifecycle management.
- Provided architectural governance and technical leadership across multiple lines of business, helping cross-functional agile teams align product delivery with enterprise standards.
- Directed emerging technology proofs of concept, creating feasibility frameworks that accelerated software rationalization and reduced risk in complex platform migrations.
- Built stakeholder alignment by presenting and defending strategic architectural proposals to directors, executives, and the corporate architectural review board.

CastleBranch

08/2020 – 12/2021

Solution Architect

- Defined and executed scalable target-state architectures aligned with corporate capability maps, establishing governance guardrails that accelerated time to market for strategic offerings.
- Orchestrated enterprise-wide application portfolio rationalization, delivering substantial OpEx savings and mitigating technical debt by modernizing legacy silos into reusable architectural patterns.
- Developed rapid proofs of concept to produce clear feasibility data and validate business cases before large-scale capital investment.
- Led technical governance and roadmap alignment across complex business units, presenting strategic architecture directly to C-level executives and the corporate architectural review board.
- Designed and introduced enterprise blueprint standards aligned with TOGAF, balancing immediate project delivery with long-term business capability growth.

Citizens Bank**08/2017 – 06/2020***Risk Applications Solution Architect*

- Detailed the design, sizing, and scope of an AWS cloud loss forecasting solution for CECL compliance.
- Developed solution architecture documents and diagrams for management, product owners, and the architectural review board.
- Coordinated disaster recovery activities across the risk application portfolio, including on-premises, cloud, and vendor applications.
- Managed integration projects related to enterprise monitoring and compliance.
- Developed and maintained application and platform roadmaps supporting loss forecasting, monitoring, and compliance strategies.
- Provided technical guidance as a subject matter expert for applications in the risk portfolio.

Rhode Island Student Loan Authority (RISLA)**03/2007 – 05/2017***Information Security Administrator / IT Developer*

- Directed architecture, compliance governance, and risk mitigation for the enterprise information security program, ensuring alignment with GLBA, PCI DSS, and SOC 1 Type I frameworks.
- Architected full-lifecycle database migrations, modernized legacy data warehouse reporting pipelines, and engineered highly available BC/DR environments.
- Engineered B2B API integrations with financial networks, including Experian and DocuSign, establishing secure, highly available endpoints that modernized loan processing workflows.
- Designed and delivered enterprise web applications and scalable software systems, establishing secure, cloud-ready patterns across customer-facing digital platforms.
- Administered SQL Server environments and developed ETL and reporting solutions using DTS, SSIS, and SSRS.

EDUCATION & PROFESSIONAL TRAINING

New England Tech — USA

Associate Degree in Software Engineering

New Professions University — Venezuela

Associate Degree in Computer Science

Professional Training: AWS Solutions Architect, Big Data, Developer, Kubernetes, Well-Architected Framework, GraphQL, Terraform, ITIL 4, DynamoDB, microservices architecture, and microservices security.