

Lucas Lima Sr. Solutions Architect | Innovation Technologist

About Me

Senior Solutions Architect and Innovation Technologist with a passion for Blockchain Networks, Web 3 applications and Machine Learning. I have a wide range of experience working with corporate innovation applying the "lean startup" framework, from designing and developing innovative solutions to managing and deploying them. I specialize in leveraging emerging technologies to solve complex problems and have a track record of successful driving results using hypothesis-driven experimentation. My goal is to help drive transformative change to make a positive impact on the lives of people through innovative technologies.

Professional Experience

Senior Solutions Architect at Global Digital Innovation – Kimberly Clark

2021–Current

1- Generative AI Platform (Global)

Principal Solution Architect of the first Generative AI Platform for digital applications at Kimberly-Clark. Currently in use by Sales, Marketing, Supply Chain and Marketing (rolling out to other functions).

Solution: A Global Generative AI Platform for Kimberly-Clark that utilizes OpenAI models along with Knowledge Base to generate new content, perform retrieval augmented generation (RAG), automate processes, and enhance productivity across various functions. Designed to streamline operations, foster innovation, and provide competitive advantages in the marketplace when compared to existing digital solutions.

Tech Stack: OpenAI APIs / Langchain / Azure / React JS / Kubernetes.

2- Intimus NFT art festival (Latin America)

Idea co-owner, solution architect and full-stack engineer of the first marketing campaign utilizing NFTs for community building. Intimus' 3 years strategy to build digital communities. festival-intimus.art.

Solution: (1) High-fidelity prototype for Customer Validation (Desirability - [IDEO](#)) using a Next JS front-end with Flowbite and EVM Smart Contract managed through ThirdWeb SDK; (2) MVP solution developed in collaboration with [Women For Labs](#).

Tech Stack: ThirdWeb / Wagmi / Connect Kit / Alchemy / IPFS / NextJS / Azure.

3- "Proof of Achievement" Non-fungible Awards (Global)

Idea owner, solution architect, solidity engineer and product owner of an internal experiment to "de-risk" and show value to businesses and Global IT leadership. Award NFTs in 2022: "CIO Awards", "R&E Technical Excellence" and "Global Digital Innovation". [OpenSea](#).

Solution: EVM Smart Contract Factory deployed on Polygon (L2) to manage Smart Contracts (awards) with ERC1155 token standard.

Tech stack: Hardhat / Alchemy / Piñata / Wallet Connect / React / Storybook / Web3.js / GraphQL / Azure.

4- "Point of View" (POV) on Metaverse (Global)

I discuss the potential of decentralized metaverse and blockchain networks, as well as the possibilities created by decentralized and non-fungible tokens. The POV article explores how these emerging technologies can be used to innovate and create new revenue sources. By leveraging the reduced cost of verification and networking of non-fungible tokens and decentralized applications, businesses can create new revenue sources and better engage with consumers.

Solution: A point of view article presented to the CIO organization and the Global Digital Technologies Solutions organization. The article explores the concept of the Metaverse, diving into some of its building blocks and how the maturity of decentralized blockchain networks can lead to a alternative proposal of what the Metaverse will be. It also looks at the functional role of crypto and non/semi-fungible tokens.

5- Computer Vision Model and APIs (Global)

Solution architect and ML engineer to train a transformers model for classification of poop color, served through APIs and a front-end pilot application.

Solution: This initiative has 3 distinct architectures that have been developed to test different hypothesis and provide solutions for specific needs. First version was developed in-house using a React Front-end, Azure serverless functions behind an API and a non-relational DB. Second version was built by a partner with computer vision expertise, which used images from our R&D team to train a model and also provisioned a newer version of the front-end. Third version mocks up the machine learning model using a third-party service to cut costs and reduce maintenance needs, providing very similar results. An in-house transformers model has also been trained from real consumers from the previous versions with very positive results.

Solutions Architect | Innovation at SVIO – Global Nestle Innovation | Marketing, Sales & Supply Chain

2021–2018

Refill+ Nestle Waters Smart Water Dispenser (Global)

Principal architect leading the redesigning of the global Nestle Waters Refill+ smart water dispenser for first roll out in Latin America. Assumptions and test initial hypothesis.

Solution: IoT water dispenser activated with a Mobile App and/or NFC bottles, integrated with AWS IoT Hub for device management, a headless eCommerce backend to handle orders, Drupal front-end and SAP asset management workflows. See machine learning model for classification of water quality.



Contact Information

Location: St. Petersburg, FL - USA

Skills & Expertise

Nationalities and Languages

Brazilian and Portuguese Nationalities

- pt_BR (Native)
- en_US (Fluent)
- es_MX (Fluent)
- fr_FR (In progress)

Education

MIT School of Management

Executive Education in Management and Leadership

University of Sao Paulo

BSc, Computer Information Systems

Certificates

- **Blockchain Technologies: Business Innovation and Application** (MIT SLOAN - Tech & Operations)
- **Machine Learning in Business** (MIT SLOAN - Mgmt & Leadership)
- **Artificial Intelligence: Implications for Business Strategy** (MIT SLOAN - Mgmt & Leadership)
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"Blue Ears" Rapid Experiment (Global)

Idea-owner, solution architect and project manager of the rapid experiment using Industrial IoT Microphone sound of food processing equipment in factories in partnership with [OneWatt](#).

Solution: Industrial IoT Microphone "E.A.R.S" integrated with a SENS-AI neural stack AI and APIs for corporate making.

"NEO" Rapid Experiment (Global)

Idea-owner, solution architect and project manager of the rapid experiment using an open source Mobile App help the crowdsourcing of images of Nestle coffee machines to compose a dataset for training a computer vision by our support chatbots.

Solution: Mobile app developed using Flutter (outsourced software developer) interacting with GCP APIs for image training using AutoML.

IT Project Manager at Nestle IT North America

📅 2014—2018

Technical project manager, part of the Mobile Field Sales team, responsible for managing the global roll out of Sales teams in North America as part of the Sales Force Automation program in North America.

- Total Deployments: 7 Projects
- Users Affected: 6000+ Sales Reps
- People Managed: 15+

Volunteer Project/Product manager at Brasa Design

📅 2014—2016

My expertise in project management, combined with my knowledge of digital technology and innovation, has led me to be a Project Manager and Product Manager for Brasa Design, a Web 2 creative design agency specialized in working with non-profitable organizations), providing consultancy and guidance to help them reach their goals. [See their portfolio](#)

Achievements

Intangible Cultural Heritage Inventorying using Blockchain Networks

🏛️ MIT SLOAN Primer

Cultural historical records lay the foundations for better understanding and dialogue between generations and have extreme importance to practitioners, researchers, and our society in general to find ways to document the present heritage, ensuring the survival of its elements and traditions.

[Article Link](#)

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VIP Roundtable - Web 3, Metaverse & NFTs for Brands

🏛️ Landmark Ventures + House of First

Participant of a roundtable discussing the how brands are leveraging Web 3, NFTs and the Metaverse concepts. Participants discussed topics such as the potential of the metaverse for brands, the use of blockchain-based non-fungible tokens of Web 3 for brands, and the potential of virtual stores, challenges associated with these technologies and how to create new models and experiences.

CapoeiraViva.net

🏛️ CapoeiraViva.net

An audiovisual historical archive of capoeira rodas and events around São Paulo, Brazil. The first and largest of its kind in the world. [CapoeiraViva.net](#)

Historia e Quadrinhos Podcast

🏛️ H&Q Podcast

Questions Are the Answer: Creative Problem Solving, Innovation, and Change (MIT SLOAN

- Mgmt & Leadership)

- **AWS Solutions Architect Associate** (AWS – YEYZSPM-CPER1Q05F)
- **Project Management Professional** (PMI – 21117394)
- **SAP Sales and Distribution Consultant** (SAP – 0009476613)

★ Tech Skills

- **Front-End:** NextJS / Tailwind CSS
- **Back-end:** Hardhat / Solidity / NodeJS / Terraform / Docker / Serverless
- **DevOps:** YML Pipelines / Azure DevOps / Github Actions / Vercel
- **Cloud Architecture:** Azure / AWS
- **Machine Learning:** AutoML / Tensorflow / Keras / Python
- **Dev Environment:** Unix (preferable) / Windows

Launch of the project "["Historia e Quadrinhos Podcast"](#) with a group of historian teacher friends tht developed history using comics in Brazil. I was responsible for the Website and Social Media.

WordCamp St. Louis Speaker

 [Wordpress.org](#)

Speaker at WordCamp St. Louis 2015 and 2016 on [Managing WordPress projects](#).

Hobbies & Interests

Thank you very much for reading till this point! Please, reach out for a quick chat, I'm always willing to exchange