

# LUIS MAYTA

Site Reliability Engineer | Software Architect | Machine Learning Engineer | Go, Rust, Python, Kotlin | Web3 Enthusiast

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## RECENT WORK EXPERIENCE

### Machine Learning Engineer Maker Development

Part-time

Nov 2023 -- Now

Lima - Peru

- Implementation of Object Recognition Model for Retail Led the successful implementation of an object recognition model in a retail environment, enhancing inventory management efficiency, and providing valuable insights for decision-making.
- Implementation of Facial Recognition Model Directed the development and implementation of a facial recognition system, improving security and customizing the customer experience in specific environments.
- Implementation of Talking Face Model Developed and executed the implementation of a Talking Face model for interactive applications, enhancing communication and user experience in multimedia products.
- Implementation of Text-to-Audio Generation Model Headed the implementation of a text-to-audio generation model, providing innovative solutions for accessibility and customization of auditory content.
- NLP Implementation for Various Company Services Led the development and implementation of Natural Language Processing (NLP) solutions for various company services, enhancing automatic language understanding and user interaction.

### Lead Software Architect Infosis

Full-time

Nov 2022 -- Now

Argentina

- Creation and implementation of an invoice data extraction model using YOLO NAS and Keras OCR, developing a cross-platform application with Kotlin Multiplatform Mobile (KMM) and a GraphQL API in Python FastAPI.
- Implementation of Object Recognition Model for Retail Led the successful implementation of an object recognition model in a retail environment, enhancing inventory management efficiency, and providing valuable insights for decision-making.
- Implementation of Facial Recognition Model Directed the development and implementation of a facial recognition system, improving security and customizing the customer experience in specific environments.
- NLP Implementation for Various Company Services Led the development and implementation of Natural Language Processing (NLP) solutions for various company services, enhancing automatic language understanding and user interaction.
- Recommending changes to existing designs to improve efficiency or performance
- Designing new software applications or systems, as well as evaluating existing ones

## LIFE PHILOSOPHY

*"If you want to build a ship, don't herd people together to collect wood and don't assign them tasks and work, but rather teach them to long for the endless immensity of the sea. - Antoine de Saint-Exupéry"*

## MOST PROUD OF



### Courage I had

take projects from scratch and do everything possible to get them forward.



### Persistence & Loyalty

I showed despite the hard moments and my willingness.

## HONORS & AWARDS



### 1st Place

Mi Primer Paso  
Universidad de Lima  
Nov 2019



### 1st Place

Eventec  
Peruano Aleman  
Nov 2007

## SOFT SKILLS

Technical Writing

People-Management

Global Teams

Diversity & Inclusion

## EDUCATION

DevOps/Sre

Udacity, Lima, Peru

Enero 2017 -- June 2017

Software Developer

Open Source College, Lima, Peru

2011 -- 2012

- Conducting research into new technologies, techniques, and approaches to computing
- Creating technical documentation such as design specifications and development plans
- Developing new features or enhancements to existing products based on customer feedback and requests
- Technical leadership, management and guidance to development teams, where the deliverables' impact generated directly in revenue increase.
- Architecture design of full stack systems, reducing effort by selecting the most appropriate technologies for the implementation.
- Designed and proposed scalable service architectures
- Reduced the number of edge case customer issues by updating a retail system design to improve data consistency also increasing performance.
- Infrastructure setup and automation for DevOps implementation.
- Development of ETL using AWS Lambda and Glue services.
- Optimization of Lambda and Glue processes for cost reduction purposes.

## SRE / Senior DevOps Engineer

### Infosis

📅 Full-time

📅 Jul 2021 -- Nov 2022

📍 Argentina

- I also replaced and improved the entire monitoring stack and wrote lots of alert rules and even custom Prometheus exporters to achieve what was needed.
- Test driven releases, Infrastructure as code and Automation.
- Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
- Analyzing, executing, and streamlining DevOps practices.
- Implementation of Infrastructure as code with Terragrunt and Terraform.
- Automating processes with the right tools.
- Facilitating development process and operations
- Setting up a continuous build environment to speed up software development and deployment process.
- There was a continuous work on improving the costs of infrastructure. This involved resizing machines, auto scaling groups, spot instances, backup policies and several other things.
- Implement And Administration of Kubernetes.
- Administration and troubleshooting of CI, CD on Gitlab.

## CoFounder & CEO

### HadenLabs

📅 Part-time

📅 Jan 2014 -- Now

📍 Lima - Peru

- Act as a trusted technical advisor to customers and solve complex Cloud Infrastructure and DevOps challenges.
- Create and deliver best practices recommendations, tutorials, blog articles, sample code, and technical presentations.
- Wrote Alexa Skill.
- Wrote Terraform modules for resources github, aws and discord.
- Infrastructure Provisioning (Crossplane, Terraform, Terragrunt, Ansible)
- Wrote System of IoT working with aws and terraform.

## CERTIFICATIONS

Blockchain Developer with Ethereum

Blockchain Theory 101

Dart & Introducción a Flutter

Golang JumpStart

Serverless Architecture on AWS

## SKILLS

|                        |   |   |   |   |   |
|------------------------|---|---|---|---|---|
| Go                     | ● | ● | ● | ● | ● |
| Python                 | ● | ● | ● | ● | ● |
| Kubernetes             | ● | ● | ● | ● | ● |
| Cloud Computing        | ● | ● | ● | ● | ● |
| AWS                    | ● | ● | ● | ● | ● |
| Infrastructure as Code | ● | ● | ● | ● | ● |
| Design Patterns        | ● | ● | ● | ● | ● |
| Kotlin                 | ● | ● | ● | ● | ● |
| Rust                   | ● | ● | ● | ● | ● |
| Automation             | ● | ● | ● | ● | ● |
| Lua                    | ● | ● | ● | ● | ● |
| NodeJS                 | ● | ● | ● | ● | ● |
| Dart                   | ● | ● | ● | ● | ● |
| Web3                   | ● | ● | ● | ● | ● |

## TECHNICAL DOMAINS

Information Security

Devops

Software Engineering

automation

vulnerability assessment

metrics visualization and analytics

Machine Learning

## LANGUAGES

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
| Spanish | ● | ● | ● | ● | ● |
| English | ● | ● | ● | ● | ● |

## REFERENCES

Lilian Ccaulla Flores

📞 (+51) 992797540

Product Owner - Grupo El Comercio

Jan Sanchez

📞 (+51) 983444164

Jefe de desarrollo de Mobile - Grupo El Comercio

Juan Carlos Dávila Terreros

📞 (+51) 982988000

Gerente General - Maker Development

Israel Gonzales Palomino

📞 (+51) 981100543

Data Science - Interbank

- Serverless Cloud Architecture (AWS)
  - Test driven releases, Infrastructure as code and Automation.
  - Administration and troubleshooting of CI, CD Continuous Integration environment.
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## DevOps Architect

### Belcorp

📅 Part-time

📅 May 2021 -- Jul 2021

📍 Lima - Peru

- Wrote Modules Terraform for management Services.
  - Analyzing, executing, and streamlining DevOps practices.
  - Create and deliver best practices recommendations, tutorials, blog articles, sample code, and technical presentations.
  - Wrote Best Pipelines for Jenkins.
  - Automating processes with the right tools.
  - Facilitating development process and operations
  - Establishing a suitable DevOps channel across the organization.
  - Monitoring, reviewing and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Setting up a continuous build environment to speed up software development and deployment process.
  - Administration and troubleshooting of CI, CD on jenkins.
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## Cloud Consultant / SRE

### El Pollo Escondido

📅 Part-time

📅 Nov 2020 -- Apr 2021

📍 Lima - Peru

- Wrote Ansible roles covering a diverse environment of machines running different versions of Ubuntu.
  - Setting up and provisioning Load Balanced Environments using EC2 and RDS within VPCs as well as associated backups on S3, also if required using both Amazon Web Console and CLI.
  - Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Implementation of Infrastructure as code with Terragrunt and Terraform.
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## DevOps Engineer

### Maker Development

📅 Part-time

📅 Nov 2020 -- Apr 2021

📍 Lima - Peru

- Implementation of Infrastructure as code with Terragrunt and Terraform.
- Implement And Administration of Kubernetes.
- Wrote Ansible roles covering a diverse environment of machines running different versions of Ubuntu
- There was a continuous work on improving the costs of infrastructure. This involved resizing machines, auto scaling groups, spot instances, backup policies and several other things.
- Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
- Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.

- Test driven releases, Infrastructure as code and Automation.

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## CoFounder / CTO / SRE

### EquiIndustry

📅 Full-time

📅 Jul 2019 -- Nov 2020

📍 Lima - Peru

- Implementation of Infrastructure as code with Terragrunt and Terraform.
- Define and refine process day to day basis as per requirements and identified bottlenecks
- There was a continuous work on improving the costs of infrastructure. This involved resizing machines, auto scaling groups, spot instances, backup policies and several other things.
- Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
- Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
- Implementation of Next, React with Redux using TypeScript.
- Wrote Terraform modules for resources github, aws and discord.
- Requirement analysis & gathering from product owners
- Implementation of GraphQL with AWS AppSync.
- Implementation of Data Store with Elasticsearch, Neo4J and PostgreSQL.

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## Cloud Consultant / SRE

### Osakia

📅 Full-time

📅 Apr 2020 -- Jun 2020

📍 Lima - Peru

- Implementation of Infrastructure as code with Terragrunt and Terraform.
- Setting up and provisioning Load Balanced Environments using EC2 and RDS within VPCs as well as associated backups on S3, also if required using both Amazon Web Console and CLI.
- Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
- Provisioning Nginx, Elasticsearch, PostgreSQL, Python, and Go mainly using Docker and Ansible, but also manual configuration when required.

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## Cloud Consultant / SRE / DevOps

### Vipac Peru

📅 Part-time

📅 Apr 2019 -- Jun 2020

📍 Lima - Peru

- I also replaced and improved the entire monitoring stack and wrote lots of alert rules and even custom Prometheus exporters to achieve what was needed.
- There was a continuous work on improving the costs of infrastructure. This involved resizing machines, auto scaling groups, spot instances, backup policies and several other things.
- Test driven releases, Infrastructure as code and Automation.
- Setting up and provisioning Load Balanced Environments using EC2 and RDS within VPCs as well as associated backups on S3, also if required using both Amazon Web Console and CLI.
- Administration and troubleshooting of CI, CD Continuous Integration environment.

- Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
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## Cloud Consultant

### Vipac Peru

📅 Part-time

📅 Sep 2018 -- Dec 2018

📍 Lima - Peru

- Implementation of Infrastructure as code with Terragrunt and Terraform.
  - Analysis and deployment of scalable solutions.
  - Manage and optimize (cost and performance) of cloud resources.
  - Implementation and Monitoring of Servers
  - Testing ansible playbooks and changes on server.
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## CoFounder / CTO / SRE

### Chaty

📅 Full-time

📅 November 2017 -- Jul 2019

📍 Lima - Peru

- Implementation of Infrastructure as code with Terragrunt and Terraform.
  - Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
  - There was a continuous work on improving the costs of infrastructure. This involved resizing machines, auto scaling groups, spot instances, backup policies and several other things.
  - Setting up and provisioning Load Balanced Environments using EC2 and RDS within VPCs as well as associated backups on S3, also if required using both Amazon Web Console and CLI.
  - Provisioning Nginx, Elasticsearch, PostgreSQL, Python, and Go mainly using Ansible, but also manual configuration when required.
  - Administering web environments both on Nginx environments for virtual hosts, redirects, SSL/TLS set up, Django settings as well as troubleshooting any error that the environments throw up.
  - Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Implement And Administration of Chatbot for Facebook
  - Research and Review AWS Alexa
  - Alexa Skill Development.
  - Implementation of AWS ECS Fargate
  - Implementation of GraphQL with Aws AppSync
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## Cloud Consultant / SRE

### Gap Solutions

📅 Part-time

📅 Dec 2017 -- Feb 2018

📍 Lima - Peru

- Support a distributed development team.
- Analysis and deployment of scalable solutions.
- Manage and optimize (cost and performance) of cloud resources.
- Integration of different subsystems
- Managing IT team.

- Carrying out proposed projects.
  - Proposing constant improvements.
  - Support a distributed development team.
  - Integration of different subsystems
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## Cloud Engineer / SRE

### Fashion Bag Peru

📅 Part-time

📅 April 2017 -- Dec 2017

📍 Lima - Peru

- Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
  - Implementation of Infrastructure as code with Terragrunt and Terraform.
  - Support a distributed development team.
  - Integration of different subsystems
  - Testing ansible playbooks and changes on server.
  - Implementation And Administration of Services AWS SQS, AWS Elasticache
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## Cloud Architect

### La Positiva Seguros

📅 Full-time

📅 June 2017 -- November 2017

📍 Lima - Peru

- Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
  - Implementation of Infrastructure as code with Terragrunt and Terraform.
  - Wrote Ansible roles covering a diverse environment of machines running different versions of Ubuntu
  - Administration and troubleshooting of CI, CD Continuous Integration environment.
  - Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Implement and Management ChatBot with Aws Lambda
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## Software Architect

### Ventorystack

📅 Full-time

📅 January 2017 -- June 2017

📍 Lima - Peru

- Infrastructure as code with Terraform + Ansible + AWS.
  - Preparation of documentation, within the code I produce by appropriate commenting, version descriptions via Git and Solution documentation for other engineers to follow.
  - Administration and troubleshooting of CI, CD Continuous Integration environment.
  - Monitoring and alerting setup, modification and troubleshooting and stopping attacks on websites.
  - Test driven releases, Infrastructure as code and Automation.
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## Software Development Leader

### Pimienta Digital

📅 Full-time

📅 October 2014 -- July 2015

📍 Lima - Peru

- Create and deliver best practices recommendations, tutorials, blog articles, sample code, and technical presentations.
- Management servers Digital Ocean.
- Implement and Management RabbitMQ, AWS S3, Puppet, Vagrant.
- Implement Load Stress with Python.
- Implement Management of git with Git Flow.
- Implement Sem Version for projects.
- Management Salesforce.

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## Technical Leader

### Grupo El Comercio

📅 Full-time

📅 April 2013 -- October 2014

📍 Lima - Peru

- Create and deliver best practices recommendations, tutorials, blog articles, sample code, and technical presentations.
- Implement and Management Apache Solr, RabbitMQ, MongoDB, REST, Puppet, Vagrant.
- Implement TDD and BDD with python.
- Implement Sem Version for projects.
- Implement Management of git with Git Flow.

## PART-TIME ROLES

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### Software Developer Freedom Project

📅 February 2018 to Present

🌐 🇵🇪 PunoPeru

- Maintaining the organization.

## CONFERENCES

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### Mean Full-Stack

#### Compartiendo Conocimiento

📅 April 2015

📍 Huaraz - Peru

- Co-organizer.

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### Introduction to NoSQL MongoDB

#### MongoDB Peru

📅 April 2014

📍 Huaraz - Peru

- Speaker.

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## VOLUNTEER

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### Development Leader

#### Compartiendo Conocimiento

📅 February 2015 -- Present

📍 Lima - Peru

- Co-organizer.
- Research.

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### Member & Evangelist

#### MongoDB Peru

📅 June 2013 -- Present

📍 Lima -- Peru

- Speaker
- Research.