

Lucas Contreras

SECURITY ENGINEER / DEVSECOPS · AT MERCADOLIBRE

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Discussing all possible workarounds to solve a problem is what I enjoy the most. I believe a great part of who we are is whom we hang out with, that's why I'm always looking forward to working with knowledgeable people, to grow both as a professional, and a human being.

Technologies

Skills: AWS, GCP, Docker, Python, Go, Software Architecture, Linux, Nodejs, Grafana, LaTeX, MySQL

Learning: Rust, gRPC

Work Experience

Mercadolibre

Argentina

SECURITY ENGINEERING (DEVSECOPS)

Nov. 2019 - Present

- Polp Fiction: A tool that aims to apply the principle of least privilege on IAM Policies, Users and Roles in more than 200 AWS accounts. We made stage 1 of the project Open Source (github.com/mercadolibre/polp-fiction-metrics)
- Patch Management: A project that using Lambda, AWS Config, and System Manager handles the patching of +50k EC2 (AWS) and compute (GCP) instances.
- SSM Installer: An Installer that using IAP (GCP Identity Aware Proxy), Ansible and CloudWatch installs the Systems Manager agent on any GCP instance under a certain organization.

Edrans

Argentina - USA

SITE RELIABILITY ENGINEER

Jun. 2018 - Nov. 2019

- Co-developed a full Serverless app with 3 fully composable Microservices/APIs using Python and NodeJS in AWS
- Solved several IaC issues with both Serverless, and CloudFormation in AWS and automate a handful of procedures using Docker and Docker-compose

Codelamp

Argentina

FREELANCE DEVELOPER

Sep. 2013, Present

- Dealt with most aspects of development, from writing a functional brief to designing, coding, selling and maintaining the software.

Go Soluciones y Sistemas

Argentina - Uruguay

FULL STACK DEVELOPER

May. 2018 - Jun. 2018

- Developed several modules of a system that tracks trucks and sends a report over GPS signal in order to calculate trips' costs depending on different variables and had to interact with the SAP API in order generate ready-to-print invoices from within the system I was developing.

Toyota S.A

Argentina

SYSTEM SECURITY INTERN

Dec. 2016 - Dec. 2017

- Administrated Active Directory, MySQL and Windows Servers as well as Massive software installation procedures with InvGate software

Projects

Incident Reporting Tool (IRT Zappos)

Las Vegas, USA

EDRANS | SOA INCIDENT REPORTING TOOL

Jan. 2019 - May. 2019

- Co-developed in the development of an application that interconnects and interacts with several Microservices using Python, Flask, Serverless, Node and Vuejs

AntiplagaNorte Management system

Buenos Aires, Argentina

CODELAMP | FULL STACK DEV.

Jan. 2019 - May. 2019

- A CMS application from scratch that merges all of the activities performed in AntiplagaNorte into a single app, generating useful data and dealing with a complicated domain logic. For this project I used PHP, Laravel and MySQL.

Firewalls Rule Groups Cleaner

Buenos Aires, Argentina

PERSONAL PROJECT

Jan. 2021

- A serverless firewall rule cleaner currently only implemented for AWS security group but easily extensible to other security group rules like Palo Alto firewalls or GCP firewall rules. A DDD solution able to handle the same problem in different environments.

Software Eng. Blog

Buenos Aires, Argentina

[HTTPS://BLOG.LUCASCONTRE.SITE](https://blog.lucascontre.site)

Jun 2019 - Present

- A personal blog where I describe my experience as a software engineer. Here I tell some exciting experiences and provide tutorials to help people start using new technologies.

Education

UBA (Universidad de Buenos Aires)

COMPUTER ENGINEERING (INCOMPLETE STUDIES)

Buenos Aires, Argentina

Mar. 2014 - Jun 2017

Languages

English Advanced | FCE (First Certificate Exam)

Spanish Native