

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. Tell some existing experiences and provide tutorial 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