

Experience

SRE and DevOps @ Zype

Oct 2021 — Present

- Implemented the Google SRE culture and practices across teams, after 6 months, 10 microservices started to improve by around 20% in terms of latency and availability.
- Orchestrated a Varnish caching layer handling 1M requests/minute for video streaming using AWS Elemental.
- Worked as a Data Engineer to improve the Data Pipeline implemented in GCP BigQuery. Costs were reduced by 50% leveraging DBT and the BigQuery Flex Slot cost model.
- Worked as a Security Engineer, to address major points to achieve SOC 2 compliance.

Technical Channel and Blog @ YouTube / Medium

May 2020 — Present

- Youtube channel and blog with nerdy things like Vim, DevOps, and SRE well received by the public.

Senior DevOps @ DevGurus

Jul 2020 — Oct 2021

- Worked as a Senior DevOps for customers like Walmart and Falabella.
- Led infrastructure scalable designs, to handle events like Black Fridays; from the ground up, using AWS, GCP, Azure, Cloudflare; Terraform, Kubernetes, Istio, and Vault.
- Worked in pairs with developers, fostering a DevOps culture plus helping and learning with them in projects that involved Node.js, React, Fastify, Next.js; Cypress, and k6 for performance testing.

DevOps @ McAfee

May 2018 — Jun 2020

- Worked as a DevOps in a cloud-based security product, in charge of detecting threats in real-time, from the telemetry data sent by thousands of devices. CI/CD was implemented in Teamcity.
- Led the process, documentation, and implementation for porting the product into AWS gov-cloud region, as a requisite for closing a deal with the US government (FedRAMP compliance).

Software Engineer @ McAfee

Apr 2017 — Apr 2018

- Java developer in main components for the McAfee Threat Intelligence Exchange product.
- Led and implemented the product installer for Linux using RPM.
- Led and implemented PostgreSQL Primary/Secondary model for High Availability.
- Built a performance framework solution with Prometheus, StatsD, Grafana, and JMeter.

Software Engineer @ Intel Corporation

Feb 2011 — Feb 2017

- Python and C++ developer in main components for the Intel Update Manager product, reaching millions of users, as it was pre-installed as part of the OEM process with HP, Dell, and others.
- Led and implemented the product installer for Windows using WiX.

Technical Marketing Engineer @ Intel Corporation

Jan 2013 — Dec 2013

- Gave training in Mexico and Colombia for strategic Intel innovations, both development in Android with Intel-based processors and development in Windows 8 for Intel ultrabooks.

System Design Teacher @ Universidad UTN

Jan 2012 — Dec 2012

- Taught students for the leading career subject, software and system design.

Skills

Cloud & Infrastructure: AWS (Certified Solutions Architect), GCP, Azure, Cloudflare

Orchestration & Containers: Kubernetes (Certified CKAD), Docker, Helm, Istio, Vagrant

IaC & Configuration: Terraform, Ansible, Chef, Vault, Packer

CI/CD & DevOps: GitHub Actions, GitLab CI, Jenkins, CircleCI, TeamCity, Bitbucket, GitOps

Programming & Scripting: Python, Go, Java, C++, Bash, PowerShell, NodeJS

Observability & Performance: Prometheus, Grafana, ELK Stack, Zabbix, k6, JMeter

Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis, InfluxDB, Varnish

Security & Compliance: SOC 2, Threat Modelling, 12-factor app

Methodologies: Agile, Scrum, Kanban, XP, TDD, API Design

Languages: Spanish (Native), English (Professional)

Education

Bachelor's degree — System Engineer @ UTN

2006 — 2011

Graduated with honors