
Nicolás Marguglio

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about me

I spend most of my professional career maintaining and designing high-scalable Linux systems. More recently, I have been learning how those systems are built from the programming side.

technical skills

Languages	lisp, go, bash, typescript
Tools	emacs, git, tcpdump, nmap, docker, ansible
Servers	apache, nginx, kubernetes, qemu, dnsmasq, qmail, postfix, dovecot
Databases	mysql, postgres, elasticsearch, redis, OpenLDAP
OSs	Gentoo, Red Hat

languages

English	Upper Intermediate
Spanish	Native

job experience

Email Hosting Software Engineer III — Web.com

2017-2018

- Worked on the conversion of a *Qmail* based mail platform from *Gentoo* to *Redhat*.
- Created rpms/spec files.
- Worked on the development of a replacement for *Qmail* on the platform with a solution based on *Dovecot*.
- Implemented a logging solution based on *Fluentd*, *Kafka* and *Postgres*. To identify bad actors and blacklist them accordingly.
- Worked on optimizing current web performance, adding cache layers and investigating new load balance solutions.

Web Hosting Software Engineer II — Web.com

2014-2016

- Continuing to work on customer support escalation.
- Worked on *WordPress* multinetwork hosting platform, based on *nginx* and percona cluster (mysql).
- Packaging and maintaining all the software related to the *Gentoo* based shared hosting platform.
- Maintaing the in-house configuration management tools and related *PXE* servers and custom kernel build.
- Worked on the development of a *Nginx* based proxy for *SSL* termination. Developed in *Lua* and *Redis*.
- Deployed a *Kubernetes* cluster for development of internal applications.

Web Hosting Software Engineer I — Web.com

2011-2013

- Troubleshooting customer issues on a *Linux* shared web hosting platform.
- As the last level of support I was responsible of understanding in depth the issue and finding the root cause of it.
- Which consisted of coding issues on the customer code, bad configuration on the server side or missing software configurations.

- Network design and deploy of a *OpenVPN* node and *Squid* proxy. Maintenance and technical support.

education

2015	Professional Penetration Tester	Base4
2014	Red Hat System Administrator I	IT Collage
2010-2011	Systems Engineering	UTN - Incomplete

personal projects

Common Lisp	· several game engines and midi sequencers
Typescript	· reddit image gallery made with React
Gentoo	· minimal docker images
Bash	· integrate several security tools for automated bug bounty work
Golang	· command line clients to view comments of different websites
Erlang	· monitor of public dns records
C	· local system monitor
Latex	· this resume , build and published through Github Actions