

Stephano Zanzin Ferreira

32 years old, based in Berlin, Germany

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Freelance Senior Systems Engineer, DevOps

Design and Development of Modern High-Performance Systems, Infrastructure and DevOps solutions.

- **Senior Engineer** offering more than 13 years of experience in a wide range of programming languages, methodologies and platforms. With focus on high-performance systems, micro-services, distributed systems and state-of-the-art solutions to solve large scale problems.
- **DevOps Advocate**, exercising the practice since its very beginning and strongly advocating the use of DevOps solutions at all aspects of the systems development life-cycle. From planning, creating and testing to deployment.
- **Experience in technical leadership.** With deep understanding of technology and experience in the implementation of hundreds of solutions, I can provide guidance and expertise in all stages of development. Therefore, I'm able to actively work on the design, architecture, project management and actual implementation.
- **Multidisciplinary approach.** Having a strong background in back-end development and a vast systems administration knowledge, I think outside the box to solve problems.
- **Diverse experience.** Having worked with companies of different sizes and practices, I can easily adapt in order to understand the needs of each business and environment.

Experience

As a Freelancer

Below some of the companies I've provided services as a freelancer.

FREELANCE DEVOPS ENGINEER, VOLKSWAGEN AG - 2018-CURRENT

In partnership with Storm Reply, I've been providing DevOps services to the Container Orchestration team for one of Volkswagen's large-scale platforms. The team is in charge of developing and implementing container-based cloud infrastructure and managing several Kubernetes clusters in the project, running hundreds of car technology related apps.

My job consists of developing, deploying, maintaining, upgrading and monitoring several Kubernetes clusters, performing on-duty calls, automating all aspects of the infrastructure, implementing innovative logging and metrics systems, providing guidance, and performing all required DevOps tasks in the team.

Besides my position at the Container Orchestration team, I also briefly supported the Concourse-based CI/CD team for Volkswagen's device technology platform.

Some technologies involved: AWS, Kubernetes, Docker, Containerd, Kops, AWS EKS, Weave CNI, Cilium CNI, Istio, Nginx, Prometheus, Grafana, ELK, CoreDNS, Helm, Go, Python, Shell, Kubernetes Operators, Linux, Flux, Concourse, Ansible, Terraform.

FREELANCE DEVOPS ENGINEER, RIGHTSUP - 2015

Startup based in Berlin and Brussels. RightsUp collects rights for musicians and labels.

I migrated their systems from AWS EC2 to a container-based platform running on bare metal, in order to provide a better CI/CD architecture, increase the general performance of the system and reduce costs. I also advised them on infrastructure and performed SRE duties.

Some technologies involved: AWS, Docker, Tutum, Kubernetes, Go, Linux, GitLab CI, Prometheus.

FREELANCE SOFTWARE ENGINEER, MOHOUND - 2013-2014

Mohound is a platform for marketing automation, they facilitate and automate the process of buying ads in many different networks across the US and Mexico.

I worked together with their tech team designing, developing and implementing a micro-services oriented architecture to improve the performance of their platform.

Some technologies involved: AWS, Ruby, Go, TDD, Linux, GitLab CI, Postgres, NoSQL.

FREELANCE DEVOPS AND SOFTWARE ENGINEER, LUXDELUX - 2013

Startup based in Las Vegas, US. LuxDelux was co-founded by the Zappos founder, Tony Hsieh, and it's an online marketplace for luxury services.

I provided consulting services to them in the first stages of development of the platform, designing and developing the platform in Ruby and also taking care of their DevOps and SRE needs.

Some technologies involved: AWS, Ruby, BDD, TDD, Linux, Jenkins, Postgres, NoSQL.

FREELANCE SOFTWARE ENGINEER, AMGEN - 2013

Biopharmaceutical company based in the US.

In collaboration with the consulting firms Plataformatec and StaunchRobots, we developed a system to simplify and organize the process of business acquisitions.

Some technologies involved: Ruby, Python, Shell, TDD, Linux.

As a Full-time Employee

Below some of the companies I've worked for as a full-time employee.

SENIOR DEVOPS ENGINEER, SIGNAVIO GMBH; BERLIN, GERMANY – 2016-2018

Signavio is one of the leaders in their field, they provide a SaaS BPMN solution and a Decision Management tool to many customers across the globe.

At Signavio, I occupied the position of Senior DevOps Engineer, creating automation tools, maintaining their Puppet system, developing diverse APIs to collect server and app data, improving their CI systems, maintaining their infrastructure of servers in Europe, US and Asia. I also helped introducing and implementing Kubernetes in the company and was one of the core maintainers of the cloud and container infrastructure, developing and administering several Kubernetes clusters.

Besides that, I created ChatOps integrations, developed Open Source projects, and more.

Some technologies involved: Go, Ruby, Java, Docker, Kubernetes, Kafka, ELK, Graylog, Prometheus, InfluxDB, MySQL, Postgres, Terraform, Puppet, Ansible, Linux, AWS, Azure, Jenkins, Gitlab CI, Travis CI.

SYSTEM SPECIALIST, LOCAWEB; SAO PAULO, BRAZIL – 2013-2015

Locaweb is the biggest hosting provider in Latin America.

At Locaweb, I was a member of a very diverse and highly-skilled team of System Engineers, Software Engineers and Specialists. The team was in charge of researching new technologies, developing and implementing solutions for some of Locaweb's complex problems, on the infrastructure and datacenter level.

During my time in the team, I participated in the development of metrics systems, container-based solutions using Docker and Go, maintained legacy systems, supported the creation of solutions to monitor and limit customer resources in the shared hosting platform, plus general support and approach towards systems administration, SRE and infrastructure development.

Some technologies involved: Python, Haskell, C, Go, Ruby, Kafka, InfluxDB, Collectd, Graylog, Docker, Consul, Postfix, Cgroups, Kafka, OpenStack, Mesos, Puppet, Jenkins.

CONSULTANT, CODEMINER 42; SAO PAULO, BRAZIL – 2011-2013

Codeminer 42 is one of the most important tech consulting firms in Brazil. Directly working with national and international VC firms and frequently hired to rapidly bootstrap new companies.

I mainly worked on projects for two of their customers, Olook and Locaweb.

At Olook my main function was to take care of their DevOps and SRE needs together with back-end development duties on the platform as well. The platform was developed in Ruby and deployed on Heroku and AWS.

At Locaweb I worked with the storage team. Our duties consisted of implementing storage and caching technologies from F5, EMC and Avere, and to create a storage management solution for system analysis and provisioning of storage services in a network of 1000+ storage machines and several petabytes of data.

Some technologies involved: Ruby, Perl, C, Heroku, AWS, MySQL, Postgres, Redis, F5 ARX, EMC Isilon, Avere FXT, OpenSolaris, Linux, OneFS, ZFS, Puppet, Capistrano.

CONSULTANT, ELC TECHNOLOGIES; PORTLAND, OR – 2010-2011

ELC is an American consulting firm.

At ELC, I worked on internal projects and did software development consulting for their clients, including coding for one of ESPN's social portals and creating a web application to manage water pumps for Arrayent.

Some technologies involved: Ruby, Rails, Sinatra, C, Postgres, Redis, MongoDB.

SITE RELIABILITY ENGINEER, BOO-BOX; SAO PAULO, BRAZIL – 2009-2010

Boo-box is one of the biggest ad networks in Brazil, they are backed by Monashees and Intel Capital. They've established themselves as an important online advertising player in Latin America, displaying ads to an audience of more than 60 million people.

I worked as an SRE at one of Boo-Box's first technology teams. Therefore taking care of the systems administration, HA, site reliability, automation, deployment, and so on.

Some technologies involved: Ruby, Rails, Merb, CouchDB, Redis, Memcached, PostgreSQL, Capistrano.

SITE RELIABILITY ENGINEER, METRÔ DE SÃO PAULO; SAO PAULO, BRAZIL – 2007-2009

Metrô-SP is the governmental company that operates the rapid transit system of the City of Sao Paulo, a system that transports more than 5 million people a day.

I was one of the SREs responsible for many of their systems, from proxies and status information systems to E-mail servers. Maintaining the availability of their critical systems at all times, running on Linux, FreeBSD and z/OS.

Some technologies involved: Qmail, JBoss, FreeBSD, OpenBSD, Solaris, Linux, IBM z/VM, MySQL, Postgres, Oracle and more.

SOFTWARE ENGINEER, ABERIUM SYSTEMS; SAO PAULO, BRAZIL – 2006-2007

Aberium Systems was a startup owned by Blue Pex and MAPA, they were in charge of developing new solutions for embedded systems and appliances, including routers, proxies, and firewalls.

My main duties were to actively participate in the development, maintenance and support of all of their solutions. In other words, code, fix bugs, perform on-site installations, provide customer support, and more.

Some technologies involved: C, Python, Perl, Soekris, FreeBSD, OpenBSD, Linux, MySQL, Postgres.

Skills

PROGRAMMING LANGUAGES

Ruby, Python, Perl, Go and C/C++.

OPERATING SYSTEMS

Linux, FreeBSD, OpenBSD, Solaris and macOS.

Languages

Fluency in English, Spanish and Portuguese. Intermediate in German.