

Jürgen Botz

Senior SRE, DevOps Engineer or Manager

<https://www.linkedin.com/in/juergenbotz/>

jurgen@botz.org

Porto Seguro, Brazil

+55 (73) 99861-3105

Accomplished professional with nearly two decades of experience in IT, Ops and DevOps, both as hands-on engineer and as a manager / director. Excel at designing scalable architectures, CI/CD pipelines, process automation and monitoring, with a focus on managing complexity and solid information security. Whatever your infrastructure needs, I can make it work in practice!

Skills

- Cloud infra architecture on AWS and GCP using CI/CD and IaC (Terraform, Ansible, others).
- Expert in Unix / Linux system administration and TCP/IP network administration.
- Cloud cost optimization, FinOps.
- Software development in several programming languages; Python, Perl, C, Go and Lisp,
- Project management, conflict resolution, leadership.

Tech Work Experience

Zeta Global, USA (remote)

2022-2023

Principal SRE

- Spearheaded initiatives to integrate diverse cloud and on-prem systems that originated in various companies acquired by Zeta in recent years.
- Led efforts to control and reduce AWS cloud costs (FinOps).

VDX.tv, USA (remote)

2019-2022

SRE/Developer

- Converted pre-existing AWS cloud infrastructure and on-prem Openstack infrastructure to IaC using Terraform and Ansible.
- Rewrote existing Perl-based monitoring system, and containerized its deployment, and automated creation of related Graphite / Grafana dashboards.
- Implemented secrets management using Hashicorp Vault and LDAP-based authorization framework.

Open Source Applications Foundation, San Francisco, CA, USA

2003-2005

Head of Information Systems

- Managed all aspects of organizational IT and facilitated development activities.
- Actively influenced software design and development.

Google, Mountain View, CA, USA

2001-2002

IT Manager

- Responsible for all aspects of corporate IT (including security)
- Managed team developing internal enterprise applications
- Implemented company-wide two-factor authentication for external access using SecureId

VA Linux Systems, Fremont, CA, USA

2001

Director of IT

- Headed up group developing e-commerce infrastructure.

Eazel, Mountain View, CA, USA

2000-2001

Director of IT & Operations

- Responsible for all aspects of internal IT and customer-facing infrastructures.
- Heading up a new QA group, pioneered use of automatically generated virtual machines for testing. infrastructure (this was in the early days of virtualization).

Healtheon/Web MD, Santa Clara, CA, USA 1997-1999
IT Manager

- Responsible for development and production systems.
- Built an on-prem data center.

InReference, Sunnyvale, CA, USA 1996-1997
Senior System Administrator

- Responsible for all development and production infrastructures.
- Unix and network administration on Solaris and Linux, pioneered use of redundant cheap commodity servers.

Mount Holyoke College, South Hadley, MA, USA 1990-1996
Academic Systems Consultant / System Administrator

- Supported faculty in all their computing related projects.
- Responsible for setup and maintenance of academic computing labs.
- Set up a state of the art GIS lab with Dr. Thomas Milette.
- Participated in building the campus wide computer network and setting up the college's first Internet connection.
- Set up and managed a major USENET news node.

Other Experience

ITAPECO, Arraial d'Ajuda, Bahia, Brazil 2010-2019
Founder and Director

ITAPECO is "Institute of Alternative Technologies, Permaculture and Ecology".

- Conducted experiments in agroecology, agroforestry, permaculture, and sustainable building methods and sometimes offer courses in those methodologies.
- Initiated preservation of the rain forest (Mata Atlantica) and facilitated regional reforestation projects.

Bailux, Arraial d'Ajuda, Bahia, Brazil 2007-2010
Mentor

Bailux is a community action group which conducted educational projects for disadvantaged youth, mostly involving technology and digital media.

- Led building a hacker-space.
- Taught local youths "meta-recycling" of computer hardware (recovering components from discarded PCs to build working systems running Linux).

Education

University of Massachusetts, Amherst, MA, USA 1985-1990

Bachelors Degree with Individual Concentration program, concentration in "Human Factors Engineering in Applied Computer Science".

Personal

- Fluent in German, English and Portuguese.
- Nature lover, health nut
- Daily meditator.