

NILTON MOURA

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SUMMARY

Systems/Software Engineer with 15+ years of experience mostly in tech industry in Brazil and abroad. Specializes in Linux systems, networking and programming. At AWS in Ireland, designed and developed a network discovery system that mapped highly restricted networks, helping eliminate an L2 architectural bottleneck affecting all AWS datacenters by enabling a transition to a scalable L3 design. Also developed the CLI for a new terminal-server hardware designed within the team and contributed to its Linux-based operating system using Buildroot.

EXPERIENCE

Head of Technology

SAF Botafogo

June 2022 – Present

Rio de Janeiro, Brazil

- Built the department from the ground up, growing it from 0 to 8 people and delivering infrastructure, systems, and data projects supporting 300+ users.
- Leads and sponsors initiatives such as datacenter retrofit, Wi-Fi for 30k fans, data lake/warehouse developed by the team, which provided geospatial insights that enabled marketing to choose the location of a new physical store within minutes.
- Mentors the members of the team in technical, behavioral and career matters in weekly 1:1 meetings.
- Partners with all departments to align technology initiatives with business strategy.

Senior Systems Management Specialist

Kyndryl

Jul 2021 – Jun 2022

Rio de Janeiro, Brazil

- Managed RHEL servers running IBM's Wall Street Systems with Ansible, Python and Shellsscripts.
- Provided customer-facing support on highly complex issues and participated in on-call rotation.
- Mentored other engineers in Python.

Systems Development Engineer II

Amazon Web Services

Sep 2018 – May 2021

Dublin, Ireland

- Created, developed and maintained a network discovery system that mapped large networks in restricted environments. The system gave Network Engineers visibility into the Console Network for the first time, enabling migration from a legacy Layer 2 to a scalable Layer 3 design.
- Participated in building a Linux Buildroot-based operating system for a new terminal-server hardware, also developing its CLI (Command Line Interface).
- Developed automation tools in Python to rotate credentials and orchestrate network-migration tasks, reducing manual errors and cutting region-wide credential rotation from days to hours, and individual DC fabric migrations from 5 to 2 days.

Senior Support Analyst

ANBIMA, Brazil's Central Bank

Mar 2017 – Aug 2018

Rio de Janeiro, Brazil

- Designed and implemented JBoss and Apache servers on RHEL using Ansible, applying best security practices from CIS (Center for Internet Security) for an application to serve account statement of big financial players on Internet, with all components (databases, web and middleware servers) with mutual authentication and all traffic encrypted.
- Led a project of Dynatrace (Application Performance Management) software implementation.
- Troubleshooted high complexity issues.

Support Analyst

Jul 2014 - Feb 2017

- Wrote a standard document for shell scripts' development of the site disaster recovery automation. Developed standardized functions to be consumed by the shell scripts developed for the automated DR. Later, orchestrated the execution of those scripts using Jenkins Pipeline. This reduced the time for the exchange of roles between sites from 4h to 16m during DR exercises.
- Designed and implemented a new architecture for 40 JBoss EAP instances; in the old architecture, there were 4 instances with around 10 applications each.
- Implemented GitLab for infrastructure teams and gave Git and GitLab basic lessons to colleagues.
- Supported the development teams in JBoss EAP 6 and CI/CD tools like Jenkins, Sonar and Selenium.

- IT Analyst** Jan 2011 – Jul 2014
Petrobras, by Spassu Tecnologia Rio de Janeiro, Brazil
- Supported development teams in JBoss EAP 5 and 6, CI process with Jenkins, Sonar, JIRA, Git, Subversion and Mercurial in RHEL and CentOS.
 - Designed and implemented the JBoss EAP 6 architecture and Spacewalk for all Brazil E&P workstations and servers, based on RHEL and CentOS, automatizing Red Hat channels synchronization with Python.
 - Implemented a GitLab server for development and infrastructure teams.
 - Wrote a baseline for the VMWare virtual servers, for RHEL 6 and CentOS.
 - Implemented Jenkins and applications deployment with shell scripts.
 - Began the implementation of Puppet Open Source for servers and workstations configuration management.

- Senior Support Analyst** May 2010 – Dec 2010
Equinix Brasil Rio de Janeiro, Brazil

- Identified root causes of recurrent issues. Troubleshooted high complexity issues, mainly in Linux and its services. Supported analysts on technical matters.

- Junior Support Analyst** Aug 2009 - May 2010

- Treated issues quickly enough to try to avoid breaking up SLA as first customer contact, mainly in Linux systems and its services like DNS (BIND), Web (Apache), Database (MySQL), Email (Postfix and Zimbra), Firewall (iptables), Proxy (Squid) and Shellscript.

- Operations Analyst** Dec 2008 – Jul 2009
AMT Internet Security & Datacenter Rio de Janeiro, Brazil

- Responsible for design, deploy and server management, mostly in Linux environments for services like DNS (BIND and Windows 2008), Firewall (iptables), Antispam, Monitoring (Nagios), in physical and virtual servers (Citrix-Xen), providing customer-facing last level support.

- Junior Support Analyst** Sep 2008 - Nov 2008

- Monitored servers and services, being the customer's first point of contact.

EDUCATION

- Gama Filho University** Rio de Janeiro, RJ
Tech. Degree in Computer Networks; GPA: 8.8/10, equivalent to 3.5/4.0 Feb. 2009 – Feb 2012

- Colégio Nacional** Rio de Janeiro, RJ
High School Degree specialized in IT Feb. 1998 – Jul 2001

MAIN TECHNICAL SKILLS

Core Skills: Linux (RHEL, CentOS), Python, Bash, Infrastructure Automation, Networking, Troubleshooting, DevOps/SRE

Tools: Git, Jenkins, Ansible, Docker, Vagrant, VirtualBox

Databases: MySQL, PostgreSQL (learning)

Currently Exploring: C/Clang, Go/Golang, Emacs Lisp

Certifications: RHCE, LPIC-2, CompTIA Security+ ce, OCP MySQL 5

CERTIFICATIONS

RHCE: Red Hat Certified Engineer | Certification id: 140-006-107 | <https://rhtapps.redhat.com/verify?certId=140-006-107>

LPIC-2: Linux Professional Institute Certified 2 | LPI id: LPI000158356, Verification code: mb7jktkvsw | <https://cs.lpi.org/caf/Xamman/certification>

CompTIA Security+ ce: CompTIA Security+ ce | Verification code: GQLW8VBFMPREQ4GR | <http://verify.Comptia.org>

OCA MySQL 5: Oracle Certified Associate, MySQL 5 | Oracle Testing ID: OC1317290

OCP MySQL 5: Oracle Certified Professional, MySQL 5 DBA | Oracle Testing ID: OC1317290

COMMUNITY INVOLVEMENT & TEACHING

Speaker at Slackware Show 2010: "Package Installation and management in Slackware" | Presented at Instituto Infnet, Rio de Janeiro, Brazil, 2010

Maintainer of Slackbuilds packages: Automation for installation of some packages for Slackware Linux | 2010-2013

Linux and Information Security Teacher: for teenagers living in vulnerable contexts | CEFET, by Petrobras, 2012

Grammar reviewer contributor: of the ProGit pt-BR 1st edition | 2013

IT Manager and Youth Teacher: managed a team of volunteers; Sunday school youth teacher | Igreja Batista Betel de Mesquita, 2012-2017