

Artur Brasil

SYSCODER AND HACKER

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* About me *

I'm also a software Engineer, administrator of networks and systems, perl developer, syscoder and hacker.

Always interested about good practices, patterns and innovations. Reading, experimenting, listening, learning. I am an enthusiastic of "Programmable Infrastructure" and "Infrastructure as code" with 5+ years of diverse experience in development of systems. I have been involved in the complete architecture of Internet/Intranet and Client/Server Applications. Always aiming to deliver highly available, high quality language software, applying avant-garde state-of-the-art best practices and designing amazing architectures.

In my work history has provided me with a variety of skills which helped me to learn new technologies, and capable worker; who is not easily affected by job stress, and will be a strong asset to any organization in a variety of duties. I am certainly receptive to any company training and I am a fast learner in any on the job training situation, if required.

I am acknowledged as a dedicated, honest, humble, confident, systematic, organised, and hard-working professional with a strong internal frame of reference, and with that the ability to sympathize, to build understanding, to find agreement and ways to work together, and to comfortably bring up contrarian viewpoints when needed. I have ability to troubleshoot application and system issues all the way down the stack.

* Projects *

Mireveja: Router, Profiler and Debugger to continuous deploy for WEBAPPS by using Perl, Wing, Varnish, AWS and Opsworks.

Api Throttling: Actively contributes to the creation of a API throttling with Nginx, Lua and OpenResty, Statsd, Redis.

SSL Offloading: I analyzed the SSL offloading with SNI + Nginx, Stud, HAProxy. And after analysis of metrics. We implemented SSL Off-Loading with Nginx.

Conversation Tracker: A middleware for smtp protocol with a dashboard for sellers, made Perl, Wing, SMTP, AWS and Opsworks.

Pipeline Logging and Metrics: Implements LogStash, Kibana e Graphite e Gdash. Made by Ruby, AWS and Opsworks.

Priam e Cassandra: Implements the Priam, an automator of Cassandra. To automate following: metrics, Backups and recover, all with RestFull.

Monitoring WebApps: WebApps Monitor made Icinga, Perl, Ruby, Chef, AWS EC2, ELB, ROUTE53, S3, VPC, SNS, OPSWORKS).

VPN VPC Gateway: VPN gateway made Git, OpenVpn, Perl, Ruby, Chef, AWS EC2, ELB, ROUTE53, S3, VPC, SNS, OPSWORKS and Jenkins).

PPPoE Gateway: Authentication and billing made Pppoe, Perl, Radius, Mysql, Mikrotik.

Hotspot Gateway: Authentication and billing made Pppoe, Perl, Radius, Mysql, OpenWrt.

Amazon Web Services

Cloud experience with Amazon Web Services

- EC2
- ELB
- S3
- SNS
- SQS
- VPC
- ROUTE53
- ELB
- Opsworks
- BeansTalk
- DynamoDB
- RDS
- ...

* Specialties *

- Linux, Unix, and backends
- Perl, Ruby, Shell scripting
- Api, Rest, OAuth
- Practical Packet Analysis
- Asterisk and Voip
- IPv4, BGP, OSPF, Subnets, EoIP, Radius, Ntp, Dns.
- Full layer OSI model.
- HTTP, RestFull, API Throttling
- Metrics and Monitoring

AWS OpsWorks

Write +80 Chef cookbooks with Opsworks.

Work History

Net Angra - Infrastructure Consultant 2013/-

Odesk - DevOps Consultant 2013/-

Emex telecom - Infrastructure Consultant 11/2014-08/2015

Multipla - Devops Analyst 10/2013 - 10/2014

Vtex - Devops Analyst 03/2012 - 09/2013

Hcna DashBoard: Control panel to monitor +4000 modems Hcna 3.1. Perl, Html, JQuery, HCNA 3.1 and rfc's.

Voip/SMS Gateway: Implements a asterisk and sms gateway made Perl, Asterisk.

Whatsapp Gateway: Implements a WhatsApp gateway made Python.

Autenticador Pppoe: Auth layer by Mpd5, radius, perl, ng_graph, ng_netflow and FreeBSD DualStack (IPv6 and CGNAT) .

Dashboard Pppoe: WebApp with mysql, radiusd, mpd5, perl, ng_graph, ng_netflow and FreeBSD.

* Technologies and Tools *

Key programming languages/frameworks/: Perl (Dancer and Wing) , Lua and OpenResty , Ruby (Sinatra and Rails).

Automating tools: Chef, Docker, Puppet, mcollective, Vagrant and BeanstalkD

Continuous integration: Jenkins and TeamCity.

Databases: MSSQL, MySQL, DynamoDb, Redis and deployd

Monitoring: Sensu, Icinga, Nagios, Ganglia, Zenoss , Zabbix, Monit, Munin SupervisorD

Metrics and Logging: Graphite, Gdash, Kibana, Graylog2, Loggly, RedShift, LogEntries, LogIO, Logstash and other logging systems.

HTTP: Nginx, Varnish, Apache, memcached, haproxy, stud, httpie, curl, mitmproxy and similar tools.

Network: Wireshark, tcpdump, tcpkill, mtr, nmap, hping, tshark, ngrep, wireshark, vomit, dsniff, chaosreader, tcpkill, strings, Mauserzahn, scapy, T50, charles, fiddle, and more.

Network Layers: L1 L2, L3 , L4, L5 ,L7 of Cisco Networking, Mikrotik Networking, Ubiquity Networking, Data cable, HCNA, GPON and EPON networking.

Mockups: VisualOps, **Pencil, Dia and MsVisio**

Toolkits: MacOS and Linux, LeanKit, Trello Git, Vim, sublimeText

Experience with: Virtualization/Cloud solutions e SNI SSL Certificates.

Intermediate skill: C, C++, Java, Javascript, Angularjs, NodeJs and IPv6.

Improving skills: English, LPIC303, IPv6, L6, Cryptography, Ruby, Javascript e AngularJS and more...

Someone who is constantly driving improvement in the way we do things every day , after all there is no time to lose! Seize the day , every day !

"Carpe diem, quam minimum credula postero" :)

Net Angra - Sysadmin 02/2009 - 02/2012

MicroIns - Software trainer , hardware, linux and networks 2005 / 2008

Futura - Technical coordinator - 2002 / 2008

Office Training - Software trainer - 2002 / 2005

Independent Coursework

- Architecting Highly Available Systems on AWS
- AngularJs Fundamentals
- Introduction to Twitter Bootstrap
- Android Async Programming and Services
- Android Processes and Threads
- CompTIA Cloud Essentials
- Cisco CCNP - Troubleshooting Wireless and Security
- Troubleshooting ACLs with Wireshark
- HTTP Fundamentals
- CEH - EC-Council Certified Ethical Hacker
- CHFI - EC-Council Computer Hacking Forensics Investigator
- MTCNA (MikroTik Certified Network Associate)
- MTCRE (MikroTik Certified Routing Engineer)
- Infrastructure for container projects (Linux and Unix)
- Docker Essential Training
- HA Proxy Stack
- API throttling, Graphs and Metrics
- Sensu, Nagios, Zabbix and Icinga
- Linux LPIC-2
- OpenResty (Lua)
- Developing Scalable Web Applications with Varnish
- PfSense Fundamentals and Practical Application
- The Design and Implementation of the FreeBSD Operating
- Docker Fundamentals
- Devops: The Big Picture