

Hamilton Daniel Cesario

Site Reliability Engineer

contact

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languages

Portuguese mother
tongue
English, Catalan &
Spanish fluency

programming

♥ Perl, Bash,
PowerShell, Python,
Ruby, Lua, Javascript,
Groovy.

experience

2017–Now **Red Hat**

Barcelona, Spain

Lead SRE Engineer

- CI/CD Pipelines and automation with Jenkins (Docker/Jenkins Files/Persistence on Git/Kubernetes), Circle CI and Travis.
- Automation and deployment of full functional CI environments based on Containers, Jenkins and Terraform.
- Deployment Automation For Openshift Clusters on AWS based on Terraform.
- Containerization of legacy Java/Ruby/Lua Applications.
- Migration and Deployment of legacy application to Kubernetes/Openshift Ecosystem.
- Application instrumentation and integration with Prometheus exporters and metrics exposure.
- Dashboard and alerts implementation for Prometheus ecosystem.
- Administration and operation of a SAAS platform with 2k+ requests per second.
- Last OSS projects contributions: **Azure ARM Templates, Perl AWS SDK, RexOps Configuration Management System, Open Source API Design, 3scale AMP Openshift Templates.**

2014–2016 **CAPSiDE**

Barcelona, Spain

SRE Engineer

- **FC Barcelona** Web Platform Migration, LFP Ticketing system implementation, Mobile API Caching, SQL Server Always On (AWS).
- **Banc Sabadell Kevin** Azure Resource Manager architecture, Mongo DB Replica Set, Red/Black Deploy System.
- **TMB** Liferay based platform on Auto Scaling, ELK Stack Cluster, JBoss Backed system.
- **Sidetours** Cloud Infrastructure, MySQL Replication System on Auto Scaling automation.
- **El Punt Avui** Migration from Virtual Datacenter to Azure, MySQL Galera Cluster Implementation, Full Configuration management with Ansible.
- **Salud On Net** Azure IAAS ARM formation..
- **Grupo Prisa** Cloud DevOps Consultancy.
- AWS Advanced Solution Architect Official Course.
- AWS Solution Architect Certification.
- Azure for AWS professionals Official Course.

- AWS Solution Architect Certification.
- Cloud and System Automation Development for multiple purposes, mostly in Perl.

2014–2014 **Opscaling**
SysOps Engineer

Barcelona, Spain

- **FC Barcelona** Cloud Infrastructure Management, Continuous Integration Implementation via git and Puppet, Auto Scaling Enhancements, Web Performance enhancements via CloudFront, S3, Varnish and Nginx.
- **Barcelona Digital** Big Data Technical consultancy and Automation on Elastic Map Reduce, Hive, GIS Tools for elastic Map Reduce and Spark.
- **Tuitele** Big Data Technical consultancy on Elastic Map Reduce, EC2 cluster scalability and automatization on cluster deployment.
- **La Vanguardia** Cloud Infrastructure, Configuration and System Management, Platform monitorization and Web Performance Enhancements.
- **Aedgency Performance-Based Marketing** Configuration, System Management, Platform monitorization on a highly automated and complex infrastructure.
- Cloud and System Automation Development for multiple purposes, mostly in Python.

2012–2014 **AppBridge Inc.**
Technical Lead

Barcelona, Spain

- **AppBridge** Project Design, Product Management, Cloud Architecture team leadership.
- Lead Perl core development team for the product **eBD Web Application Development Platform**, implementing scrum agile techniques, bringing the platform: new security modules, web rendering optimization system, Apache & MySQL version update, new look & feel and a new code editor.
- Private Cloud design and automation for the **eBDCloud** PAAS Product (CloudStack, Xenserver, Puppet, CentOS).
- Architecture and Scalable Design for the Social Networking **Fangazing**.
- Architecture and Scalable Design for the the **Webstore Telefonica Global Solutions**
- Technical Consultancy to eBD Web Application Development Platform clients, such as **Mapfre Florida**, **Telefonica Global Solutions**, **Grupo Serhs** & **Servei Català de Transit**.
- System Script development for multiple purposes, mostly Python and Perl.

2010–2012 **UPC Universitat Politècnica de Catalunya**
Junior SysOps

Barcelona, Spain

- Perl Developer at the **Smeagol Project**.
- LDAP UPCnet Integration.
- Network and System Administration Tasks.

professional skills

Containers:

- Openshift, Kubernetes, Docker Swarm, Amazon ECS, Mesos/Marathon.

Cloud Computing:

- Amazon Web Services, Microsoft Azure, Google Cloud Engine.

System Administration:

- Unix(RH,Debian,MacOS & FreeBSD Based Systems), Configuration Management Tools (Ansible, Puppet), Version Control Systems (Git, SVN), Xenserver, VM Ware ESX, Nagios, Cacti, MySQL, MongoDB, Apache, Nginx, lvm ,ffmpeg/avconv, mod_pagespeed, Redis, Varnish,mod_security, mod_evasive, iptables, DNS, Zimbra, qmail,dhcpd, DNS, LDAP, Samba, mod_perl, mod_php, fastcgi, HAProxy, squid, Wireshark & pound.

Big Data:

- Hadoop, Hive, Spark, & Elastic Map Reduce.

Networking:

- Layer 7 Protocols: HTTP, HTTPS, FTP, SSH, SMTP/POP, Telnet, IRC, RTMP, RTMPT, BGP, RTP, RTSP, SAMBA, DNS, IMAP, LDAP, NTP & SIP.
- Layer 4 Protocols: TCP, UDP, GRE, AH & SCTP.
- Layer 3 Protocols: IPv4, IPv6, IPsec, IGMP, ARP,OSPF, RIP, ICMP, AH, SDH & SCTP.
- Layer 2 Protocols: Ethernet, 802.11, PPP, PPTP, STP & VTP.

Software Development:

- Continuous Integration and Continuous Deployment pipeline integration, Infrastructure as Code, Cloud Computing Automation, Container and Micro Service Orchestration, Script Crafting,Data Modeling, RESTful API Design and Development, SQL, NoSQL, System modeling, MVC, Scrum, Git, & SVN.

Managerial:

- Project Management, strong written and verbal communications, solution orientation, experience in multinational environments, team player & effective presentation skills.

education

2009–Now **Degree** of Telematics Engineer UPC - Universitat Politècnica de Catalunya
Specialization in Network Protocols and Software Development

2001–2007 **Bachelor** of Telecommunication Engineer Furb - Universidade Regional de Blumenau
Specialization in Telecommunication Systems

interests

professional: Unix, Open Source, Infrastructure Orchestration, IT Security, Cloud Computing, Network Protocols, Virtualization, Big Data,Design Patterns, Databases, Web Applications Design, API Design & Agile Team Management

personal: Music, Bass Playing, Cooking, Beer, Wine & Technology