Hamilton Daniel Cesario

Site Reliability Engineer

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languages

Portuguese mother
tongue
English, Catalan &
Spanish fluency

programming

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

experience

2020–Now Elastic   Barcelona, Spain
Principal Site Reliability Engineer I

- Lead SRE for the MKI project, aiming to provide the Kubernetes Platform for the Elastic Cloud Serverless product.
- Lead SRE team for the Synthetics Service based on Kubernetes, currently going GA with 10 production regions and 3 pre-prod environments. Desiging and implementing the SRE strategy for the service, including SLOs, SLIs, Error Budgets, Runbooks, Incident Management, On-Call, Infrastructure Architecture, Development experiece, Deployment etc.
- lead the Alerting as a Service deployment, aiming to provide a unified alerting metrics platform for all Elastic Cloud.
- Co-lead SRE in the Zookeeper Guild, contributing for better Runbooks, dashboards and stabilization of the Zookeeper Deployment within Elastic Cloud.

2019–2020 Glovo   Barcelona, Spain
Infrastructure Engineering Manager

- Define strategy to create an SRE Team.
- Enable and Rollout Infrastructure as Code strategy.
- Enable and Rollout CI/CD strategy.
- Build and Grow a Infrastructure Platform team.
- Give the vision on how to break a legacy monolith in Microservices.
- Define OKRs, Roadmap and long term vision for the team.

2017–2019 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 Plataform 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 Oficial Course.
- AWS Solution Architect Certification.
- Azure for AWS profesionals Oficial Course.
- AWS Solution Architect Certification.
- Cloud and System Automation Development for multiple purposes, mostly in Perl.

2014–2014 **Opscaling**   Barcelona, Spain
SysOps Engineer

- **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.** Barcelona, Spain
Technical Lead

- **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 Politènica de Catalunya** Barcelona, Spain
Junior SysOps

- Perl Developer at the **Smeagol Project**.

- LDAP UPCnet Integration.

- Network and System Administration Tasks.

education

2009–Now **Degree** of Telematics Engineer UPC - Universitat Politecnica 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