

CURRENT TITLE

Senior Systems Engineer, SRE

DESIRED POSITION

Site Reliability Engineer and
Developer Advocate in an
Open Source contributor
Global Company

INDUSTRY

Information Technology

EXPERIENCE

Developer advocate – 1 year
SRE – 4 years
Systems Engineer – 10 years
Developer – 7 years
Computer Technician – 5 years

CLOUD

Google Cloud Platform
Amazon Web Services
Microsoft Azure
Digital Ocean
OpenStack

KUBERNETES DISTRIBUTIONS

Kubernetes
GKE / AKS / EKS / DOKS
KinD / Kops

AUTOMATION

Ansible
Terraform
AWS Cloudformation
Azure Resource Manager
GCP Deployment Manager

MONITORING

Prometheus / Alertmanager
CloudWatch / StackDriver
Nagios / Opsview
Grafana

CONTINUOUS DELIVERY

Jenkins
Azure DevOps / Cloud Build
Travis-CI / CircleCI / Actions

DEVELOPMENT

Shell Scripting
Python
Perl
Go
TypeScript
Ruby
HTML / PHP / CSS / JS
GIT / GitHub / GitLab

PERSONAL STATEMENT

I've been deploying servers since I was fifteen, at first as a hobby and then as a career. During the last decade, the **cloud** has changed how we use information technologies and **made accessible to everyone an unimaginable computing power**.

This change triggered several revolutions, one of them, the rise of open source technologies to take advantage of those compute resources and build amazing things. The tools and solutions now are out in the open, **driven by the community** and **available to anyone** who wants to use them, get involved in the project or change them to match their needs. **Open source projects enable an innovation speed** never seen before and **are democratizing the cloud ecosystem**. Companies and users now are building their ideas and business on top of open-source cloud-native technologies that give you the **freedom to run your workloads anywhere**.

I would like to **be part of that revolution**.

PROFESSIONAL SKILLS

Systems Engineering: Strong knowledge of the technology from the metal to the code allows me to choose the most suitable solution for each component of complex multidisciplinary development, based on the project needs.

Innovative Application of Technology: Passion for learning new technologies and paradigms allows me to think of new approaches for the solutions.

Developer Advocacy: I strongly believe that technology and knowledge are meant to be shared and should be accessible to everyone. Through advocacy, public speaking, helping the community, and writing documentation we can achieve that.

OPEN SOURCE

CNCF COMMUNITY SPEAKER AND USER GROUP ORGANIZER

Cloud Native Computing Foundation, 2018 – present

Community speaker and candidate for the ambassador program. - cncf.io/speaker/rael

Founder and organizer of the **Cloud Native Barcelona** user group, under the umbrella of the Cloud Native Computing Foundation. - cloudnative.barcelona

KUBERNETES PROJECT MEMBER

Kubernetes, 2018 – present

Lead and approver for the spanish content at kubernetes.io in **sig-docs**.

Contributor in **sig-contribex** by organizing events like talks, workshops or the New Contributors Summits during KubeCon. Also working on initiatives to improve the Kubernetes community and the contributor experience.

Contributor in **sig-usability** to ensure that the Kubernetes project is maximally usable by users of a variety of different backgrounds and abilities.

PUBLIC SPEAKING

Intro + Deep Dive: Kubernetes (Docs) SIG - rael.io/talk/kubecon-eu19-sig-docs

Diversity and Inclusion at CNCF - rael.io/talk/pride19-diversity-and-inclusion-at-cncf

KubeCap EU'19 - rael.io/talk/kubecap-eu19

Contributing to Kubernetes - rael.io/talk/k8s-contribute

Kubernetes Study Jam - rael.io/talk/k8s-study-jam-replicaset

Traefik 2.0 - rael.io/talk/cnbcn-traefik-2-alpha

Full list of talks with detailed information available at rael.io.

LANGUAGES

Spanish
Catalan
English

TRAVEL

Global
EU Passport

INTERESTS

Technology
Open Source
Community
Internet
Music
Video Games

RECOMMENDATIONS

"Rael is a very innovative professional devoted to the design and deployment of efficient IT infrastructures for companies. Up to now, I have been working with Rael during 6 years and his progression has been spectacular. By now, Rael is able to proficiently manage multiple IT infrastructure management technologies and adapt them to the needs and size of the company."

Ignasi Belda, CEO
at Intelligent Pharma
2016

"Rael is a polyhedral in their technical capabilities person, with a great curiosity to learn and with a very interesting soft skills profile. It has initiative, good social skills and commitment to the organization."

Juli Boned, Career Coach
at Universitat Politècnica de Catalunya
2010

"Rael has a great ability to find creative solutions in the field of application development, providing innovative viewpoints adapted to group needs. Besides, its innovative vision of the technology always present in the contributions made."

Enric Sagrera, Manager
at PromoCaixa
2007

EXPERIENCE

SENIOR SYSTEMS ENGINEER, SITE RELIABILITY ENGINEERING

CAPSIDE Barcelona, ES 2016 – present

Design, deployment and operation of cloud platforms in AWS, GCP and Azure.

Provision and administration of Linux and Windows systems and containers.

Database administration for Couchbase, Mongo, MySQL, PostgreSQL, and SQL Server.

Infrastructure as code with Terraform, AWS CloudFormation, GCP DM and Azure ARM.

Automation with Ansible, Jenkins, GitLab CI/CD and GCP Cloud Build.

Containers with Fargate and ECS; **Kubernetes** with Azure AKS, AWS EKS and GCP GKE.

Serverless with AWS Lambda, Google Cloud Functions and Serverless Framework.

Scripting and development in Bash, Go, Make, Perl, PowerShell, Python and Ruby.

On call rotation and critical event management.

Customer interaction during project planning, implementation and platform support.

SELECTED ACHIEVEMENTS

Operation of critical platforms for global customers - capside.com/about/clients

SYSTEMS ENGINEER AND HPC RESEARCHER

INTELLIGENT PHARMA Barcelona, ES 2010 – 2016

Deployment, configuration and administration of a 1,2TFlops in-house supercomputer and an AWS cloud cluster replica for scientific computations.

Responsible for all company **servers, services, and network infrastructure**.

SELECTED ACHIEVEMENTS

Migrate all physical servers to a virtualized platform using automation tools for server provisioning and configuration, reducing the IT operational cost and carbon footprint.

Awarded several times as a company, including a **Prince of Girona Award** in 2014.

SYSTEMS ENGINEER AND DEVELOPER

UNIVERSITAT POLITÈCNICA DE CATALUNYA Barcelona, ES 2009 – 2010

Development of Visual Basic and PHP web applications.

PROJECT MANAGER AND DEVELOPER

CAIXABANK Barcelona, ES 2007 – 2009

Project management and development of Visual Basic applications.

COMPUTER TECHNICIAN

JID SOLUTIONS Barcelona, ES 2005 – 2007

Build, configuration and maintenance of servers, computers and networks.

MANAGER

INTERNET CAFÉ, EL CELLER Barcelona, ES 2002 – 2005

Partnered with a restaurant owner to set up an Internet Café near my school.

EDUCATION

COMPUTER ENGINEERING

UNIVERSITAT POLITÈCNICA DE CATALUNYA Barcelona, ES 2005 – 2011

Specialization in Computer Architecture. Pending TFG.