

## 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](https://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](https://cloudnative.barcelona)

### KUBERNETES PROJECT MEMBER

Kubernetes, 2018 – present

Lead and approver for the spanish content at [kubernetes.io](https://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](https://rael.io/talk/kubecon-eu19-sig-docs)

Diversity and Inclusion at CNCF - [rael.io/talk/pride19-diversity-and-inclusion-at-cncf](https://rael.io/talk/pride19-diversity-and-inclusion-at-cncf)

KubeCap EU'19 - [rael.io/talk/kubecap-eu19](https://rael.io/talk/kubecap-eu19)

Contributing to Kubernetes - [rael.io/talk/k8s-contribute](https://rael.io/talk/k8s-contribute)

Kubernetes Study Jam - [rael.io/talk/k8s-study-jam-replicaset](https://rael.io/talk/k8s-study-jam-replicaset)

Traefik 2.0 - [rael.io/talk/cnbcn-traefik-2-alpha](https://rael.io/talk/cnbcn-traefik-2-alpha)

Full list of talks with detailed information available at [rael.io](https://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, critical event management, public speaking and customer relations.

#### SELECTED ACHIEVEMENTS

Operation of critical platforms for customers like Banco Sabadell, bksb, Boyacá, Carrefour, FC Barcelona, Ferrovial, Grupo Planeta, Grupo Zeta, MANGO, Royal Opera House, Santillana, Thrifty, Vueling, Zurich, among others.

### 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.