

# OLAF REITMAIER VERACIERTA

Cloud Native Solutions Architect & Full Stack Software Developer



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www.olafrv.com Caracas, Venezuela (German Citizenship)

## SUMMARY

Solutions architect and software developer with 10 years of experience in IT field, leading and executing successful conversions of complex requirements into open source cloud native technical solutions, built using own datacenters, public cloud services and custom developed software, for projects valued between \$2,500 and \$3,500,000. In my free time, I am devoted German husband and beloved father of a girl.

## EDUCATION

### Computer Engineering

Simón Bolívar University ([www.usb.ve](http://www.usb.ve))

1999 - 2005

GPA  
3.86 / 5

### Software Developer (Internship)

Telefónica ([www.telefonica.com](http://www.telefonica.com))

04/2005 - 09/2005

- Developed a conciliation system (PHP / Oracle) which compares subscribed contracts, installed projects and invoices of dedicated network links and detects income losses in real-time derived from human errors (found \$100,000 year losses on first run)

## EXPERIENCE

### Chief Solutions Architect

Dayco Telecom / Daycohost ([www.daycohost.com](http://www.daycohost.com))

03/2014 - Ongoing Caracas, Venezuela

Data Center & Cloud Service Latin American Provider:

- Created a tailored solution for SAP R3 / S4 / HANA, HCI, Compute and Application Clusters, VoD/HLS and Disaster Recovery allowing its fast deploy in our datacenters which was 30% of revenue in two consecutive years
- Designed and deployed network architecture between two Venezuelan datacenters and a virtual location (Azure) increasing portfolio with 2 new products named: multi-cloud connection and managed cloud services
- Developed a template based backup system (PHP / MySQL / Bash) for 200 digital network multi-vendor devices which reduced the time needed to backup of all them from 1 week to 1 hour with no human errors
- Developed a monitoring web application prototype (NodeJS / MySQL / InfluxDB / Docker) which shows DevOps benefits, achieving the approval of a new containerization project (Linux/Docker) with estimated OPEX savings of \$25,000
- Designed and deployed a new container platform (Docker) to reduce the time, effort and complexity of testing and deployment new applications versions from 2 weeks to 10 minutes
- Developed a set of scripts (Bash) to speed up daily maintenance tasks of the Nagios monitoring system (1500 servers + 7500 sensors) which resulted in staff reduction from 3 to only 1 system administrator and achieved zero maintenance related downtime

## INDUSTRY EXPERTISE

### Cloud Native Solutions Architecture

### Software Development (Open Source)

### Development Operations (DevOps)

### Systems Operations (SysOps)

### Networking & Cyber Security

### IT Infrastructure Management

### Pre-Sales & Service Delivery

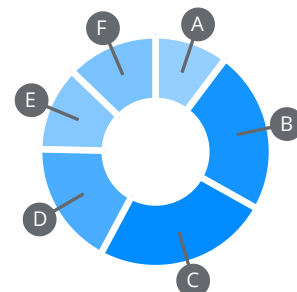
## LANGUAGES

German Beginner ● ● ● ● ●

English Proficient ● ● ● ● ●

Spanish Native ● ● ● ● ●

## MY TIME



- A Advising
- B Designing
- C Programming
- D Investigating
- E Self-Recharge
- F Family Life Style

## Senior Architecture Specialist

[Dayco Telecom / Daycohost \(www.daycohost.com\)](http://www.daycohost.com)

📅 03/2014 - 09/2015 📍 Caracas, Venezuela

Data Center & Cloud Service Latin American Provider:

- Implemented a new social network and SCRUM based agile process between pre-sales and architecture departments which reduced from 2 weeks to 3 days the time to elaborate commercial proposals
- Developed a business intelligence collection system (PHP / MySQL / SQL / Java / Bash) for the multi-tenant datacenter platforms which helped to reduce the human effort needed to audit 400 clients in the CMDB database from an average of 24 hours to 2 hours per client
- Developed a new Web password vault system (PHP / MySQL) to replace the legacy client/server monolithic Windows application reducing to 0% the number of end user reported incidents

## Chief of Data Processing Center

[Executive Directorate of the Magistracy \(www.dem.gob.ve\)](http://www.dem.gob.ve)

📅 08/2009 - 03/2014 📍 Caracas, Venezuela

Information Development Office of the Justice Department:

- Migrated 80% of core systems, applications and services to an open source Linux based alternatives, increasing related licensing cost savings from \$250,000 to an annual estimate of \$500,000
- Designed and deployed a new storage platform to consolidate 80 million of justice document files (Alfresco / Java / PostgreSQL / HP 3PAR) reducing the statistical reports execution time from 48 hours to 2 hours
- Automated the configuration and maintenance tasks for 150 Linux servers with a new continuous integration platform (Puppet) reducing the 24x7 staff costs from 10 to only 1 system administrator working 5x8

## Senior System Analyst

[Executive Directorate of the Magistracy \(www.dem.gob.ve\)](http://www.dem.gob.ve)

📅 03/2008 - 08/2009

Information Development Office of the Justice Department:

- Migrated 40% of core systems, applications and services to a Linux based open source alternatives, increasing related licensing cost savings to an annual estimate of \$250,000

## Semi-Senior System Analyst

[National Center of Information Technology \(www.cnti.gob.ve\)](http://www.cnti.gob.ve)

📅 06/2007 - 03/2008 📍 Caracas, Venezuela

Technology Office for Public Sector Assessment:

- Define and developed a new software quality evaluation methodology and its Web application (PHP / MySQL) which reduced the evaluation and selection process for the official software from 9 months to 1 month
- Designed a Web application (PHP / MySQL) to track a customized software development methodology allowing 50 community startups to define artifacts, roles and tasks to justify and obtain an individual an initial financing up to \$100,000



**Olaf's Web Site**

[www.olafrv.com](http://www.olafrv.com)



**GitHub**

[github.com/olafrv](https://github.com/olafrv)



**Linkedin**

[linkedin.com/in/olafrv](https://linkedin.com/in/olafrv)



**Twitter**

[twitter.com/olafrv](https://twitter.com/olafrv)

## COURSES & EVENTS

### Competency Development for Executives

Advanced Administrative Studies Institute (IESA), Caracas, 2018

### ITIL Incident, Problem, Change, Configuration and Release Management

Dayco Telecom (Daycohost), Caracas, 2017

### An own leadership style

Advanced Administrative Studies Institute (IESA), Caracas, 2018

### Gartner Data Center & Infrastructure

Gartner Summit, Las Vegas, USA, 2016

### Gartner Data Center & Infrastructure

Gartner Summit, Las Vegas, USA, 2014

### Control, Management & Leadership

Global Knowledge IT, Caracas, 2012

### Jboss Server Administration

Coop. TI Soluciones 793, Caracas, 2010

### IT Infrastructure Security

Softtrain, Caracas, 2010

### Perimetral Security Administration

Coop. TI Soluciones 793, Caracas, 2009

### Citizen Attention in Public Service

National Magistracy School, Caracas, 2009

### Project Control & Management

BOGE Consultants, Caracas, 2009

### ITIL Fundamentals

ATT Corporation, Caracas, 2008

### UML Business Modeling

ISCA, Caracas, 2008

## EXPERIENCE

### Networks and Systems Coordinator

Suiche7B Corporation ([www.suiche7b.com.ve](http://www.suiche7b.com.ve))

📅 09/2005 - 02/2007 📍 Caracas, Venezuela

ATM/POS switching enterprise integrated with VISA and MASTERCARD:

- Re-designed and developed a new Web application (PHP / MySQL / DB2) to replace the legacy conciliation system for the IBM mainframe reducing the daily system downtime average from 2 hours to zero
- Developed a batch application (Java / DB2) to send the compensation with Central Bank of Venezuela (BCV) for all the transactions stored in the IBM mainframe reducing the compensation process from 1 Week to 1 day
- Deployed and tuned a centralized card fraud detection system (Monitor Plus / VBA / Microsoft SQL Server) for 10 banks improving fraudulent withdrawals detection from manual 48 hours 5% effectiveness to automated real-time 90% effectiveness

### Software Developer

Simon Bolivar University ([www.usb.ve](http://www.usb.ve))

📅 05/2002 - 09/2005

📍 Caracas, Venezuela

Dean of Research and Development of the Simon Bolivar University:

- Developed a Web application (PHP / MySQL) to register, query and publish online all academic research publications which reduced the creation of the annual investigation report of the university from 6 month to 3 days

## TECHNOLOGIES

### Solutions Architecture

On/Off-Premise Datacenter

Public/Private Cloud

Web Scale

Cloud Native

Software Defined

IoT

Multi-Tier

Layered

Cluster

Backup

Disaster Recovery

Unified Work & Comm.

VDI

BigData

Analytics

Hyper Convergent Infrastructure

### Full Stack Software Development

Apache

Nginx

NodeJS

HTML

CSS

ECMAScript

JQuery

Bootstrap

PHP

CakePHP

Symfony (Twig)

VueJS

MySQL

MongoDB

Redis

RabbitMQ

LXC

Docker

Kubernetes

Rancher

Portainer

SVN

Git

Postman

Visual Studio Code

Vim

Bash

### Backend Software Development

Java

C

Perl

VBScript

PowerShell

Python

Ruby

Oracle

SQLite

PostgreSQL

Influx Stack

Elastic Stack

IBM DB2 UDB

Netbeans

Puppet

## COURSES & EVENTS

### Software Development Modeling and the Rational Unified Process

ISCA, Caracas, 2008

### GeneXus Programming

National Information Technology Center, Caracas, 2007

### Process Management

Veritas of Venezuela, Caracas, 2006

### ISO 9000 Introduction & Sensibilization

Veritas of Venezuela, Caracas, 2006

### German Language (A1)

National Central University of Venezuela, Caracas, 2004

## STRENGTHS



### Analytical

Listening carefully to my clients and using my technical expertise ease the creation of the product which fits their needs



### Authentic

Unique solutions are possible when innovation and talent get together, so I always keep it in mind for running projects



### Discipline

Keep the pace with technology needs constant effort to learn new things, which is imprinted in my work life



### Responsibility

Working is the one way humans evolve together as a society, so it is equally important to honor assignments

## REFERENCES

### José Fernández Ochoa

IBM - France

[www.ibm.com](http://www.ibm.com)

[fernandezchoa@gmail.com](mailto:fernandezchoa@gmail.com)

### Javier Blanco León

Acierto - Spain

[www.acierto.com](http://www.acierto.com)

[jablanca@gmail.com](mailto:jablanca@gmail.com)

### Francisco Lárez

Forbes Bros, Ltd. - Canada

[forbesbrosLtd.ca](http://forbesbrosLtd.ca)

[flarez@forbesbrosLtd.ca](mailto:flarez@forbesbrosLtd.ca)

## Most Used Cloud Providers

AWS Azure Google Cloud Platform DigitalOcean  
Cloudflare GitHub Mailgun Office365 G Suite

## Compute & Storage

Physical/Virtual Servers Containers Serverless Linux  
Windows LVM SAN HDD SSD Ethernet NFS  
CIFS iSCSI FC Replication VTL Ultrium LTO SDS

## Networking

Internet LAN WAN Switching Routing Ethernet  
MPLS VPLS OTV VXLAN TCP/IP DNS VPN  
BGP OSPF IP-SLA SNMP VoD HLS VoIP

## Security

PKI TLS SSL Firewall IPSec IDS IPS DoS  
DDoS ISO 27K COBIT v4 PCI-DSS v3 NIST FIPS  
GDPR OWASP Web Top 10 PureSec Serverless Top 10  
Ethical Hacking Pentesting Forensics

## Software Engineering & Project Management

MVC MVVM Web Services API CI/CD DevOps  
Agile UP Kanban XP ISO 25K Event & Test Driven

## IT Infrastructure & Project Management

ISO 9K ITIL PMBOK Scrum TIA-942 TIER (UI)  
TOGAF MS Office Libre/OpenOffice Archi4 Rational

## Most Used Vendors

Brocade Canonical Cisco DELL EMC Fortinet  
HP Intel Mikrotik Microsoft Oracle PureStorage  
RedHat SAP AG SUSE VMWare Veeam Zerto

### Alberto Briceño

Daycohost - Venezuela  
www.daycohost.com  
ab@daycohost.com

### Francisco López

Suiche7B - Venezuela  
www.suiche7b.com.ve  
flopez@suiche7b.com.ve



### Cinema

Sci-Fi & Horror



### Technology

Speaking & Coding & DIY PCs



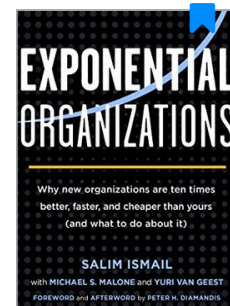
### Nature & Sport

Sightseeing & Jogging

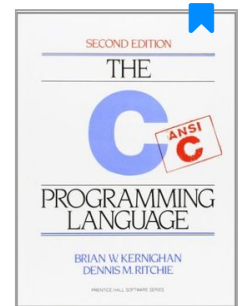


### Cruises

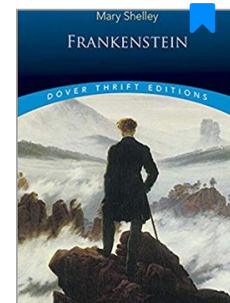
www.royalcaribbean.com



Exponential Organizations  
Salim Ismail



The C Prog. Lang.  
Dennis Ritchie



Frankenstein  
Mary Shelley