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# François Colombo

**DevOps Engineer**, French citizen, Swiss "Permis C" holder

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**SUMMARY:** multi-skilled DevOps engineer and middleware architect with **comprehensive** experience of designing, developing and deploying complete software factories.

My main interests are Azure cloud, Rancher, Kubernetes, DevOps, development and systems administration.

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## PROVEN ABILITIES AND RESULTS

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### **Key skills and competencies**

Highly organized and disciplined with a passion for Information Technology,

**Specialist of infrastructure as Code**, with knowledge of Kubernetes, Azure, terraform, vagrant, puppet, ansible,

Practical understanding of full software factories, **Continuous integration and deployments**, monitoring and alerting,

Strong experience on Unix system and knowledge of Windows Server,

Strong knowledge of Shell, basic knowledge of PowerShell

Good knowledge of Python, Java, Javascript and Golang,

Thanks to a long experience, having all the necessary knowledge and understanding for being able to choose the best solution for complex problems,

Experience with Open Source platforms, frameworks and components (Springboot, Angular, Flask, maven, ...)

Full understanding of strategic issues,

Some ability to translate technical jargon for non-technical staff.

### ***Usual duties***

*Designing* and specifying medium and large software systems, high availability and scalable platform,

*Automating* and monitoring scripts,

*Deploying* applications in a continuous way,

*Collaborating* with specialists of different areas for implementation of cross-domain activities,

*Mentoring* and guiding less experienced teammates.

### **PROFESSIONAL CERTIFICATIONS**

- ☒ WebSphere MQ Series administrator
- ☒ WebSphere App Server administrator
- ☒ ITIL v3 foundation
- ☒ Checkpoint certified security administrator

### **EDUCATION AND TRAINING**

AFPA, Bachelor degree in Industrial computer science

Lycée Jean Bart, Bachelor degree in computer science

### **LANGUAGE SKILLS**

**French:** mother tongue

**English:** fluent

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## EXPERIENCE

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*DevOps engineer / member of App Run Team for AZQORE, Lausanne, Switzerland,*

*may 2020 - now*

Mission: automating the run and continuous improvement of the processes

Achievements:

- ✓ Automate deployment of parameters for the main core application, for more than 30 customers
- ✓ Several applications to help my teammate during their daily duty (mainly Java/Springboot and Angular)
- ✓ Automate all applications deployments by designing a new CLI framework for driving XL Deploy
- ✓ Several other projects for platforms upgrades

Environment: AIX, Linux RedHat, Windows server 2008-2012-2016

Technologies: Shell, Springboot, Angular, Python, Jython, XL Deploy, WebSphere Application Server

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*DevOps engineer for VITOL, Geneva, Switzerland,*

*Oct 2019 - Feb 2020*

Mission: improvement of the Continuous Integration platform, introduce deployment as Windows containers

Achievements:

- ✓ Automate Continuous Deployment for .NET applications
- ✓ Improve custom Jenkins templates library and implements pipelines for .net core & framework, react (nodejs/npm)
- ✓ Deployment of the .net applications as windows containers

Environment: Windows server 2019

Technologies: Jenkins, Nexus, Bitbucket, JIRA

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*Consultant for Pictet, Geneva, Switzerland*

*May 2018 - Sep 2019*

Mission: replacement of the current alerting console, improvements on the monitoring platform, collaborate with other infrastructure teams

Achievements:

- ✓ Implements a new alerts console. Backend in Python Flask, frontend in AngularJS frontend. Built as docker images and running as containers. Automate continuous deployment with puppet modules and bamboo
- ✓ Update the customized Grafana (with compilation from source code)
- ✓ Implements new « checks » for the monitoring platform, using REST API queries (Ruby, Puppet, Perl)
- ✓ Upgrade security policy under Kubernetes by namespaces isolation with Open Policy Agent rules
- ✓ Implements « node exporter » for Prometheus under Kubernetes, in order to collect metrics for every nodes.
- ✓ Improve vagrant Kubernetes platform used as simulation platform
- ✓ Improve Inventory scripts for the management platform (bash and python)
- ✓ Develop a Chatbot for Mattermost, in Golang

Environments: Linux,AIX,Solaris,Windows 2008 / 2012,Kubernetes on premise

Technologies: Vagrant, Puppet, Ansible, Terraform, Bamboo, Artifactory, Nexus, Bitbucket, JIRA, Ruby, Golang, Perl, Python, AngularJS, Prometheus, Grafana, Kibana, logstash, RabbitMQ, redis, elastic search, Helm

Mission: implements CI/CD toolchains, improve communication between development and infrastructure teams, member of the DevOps team.

Achievements:

- ✓ Continuous Integration and Deployment toolchain for Magento2 project, based on Jenkins pipelines, with a full dockerized workspace to developers and automatic deployment on AKS (Azure Kubernetes)
- ✓ Continuous Integration and Deployment toolchain for Nestlé Waters (java based application, using hybris framework), then transfer leadership to Morocco teams after I trained them
- ✓ Implements Jenkins watcher probes for the CI/CD platform (based on scripts, influxdb and Grafana dashboards)
- ✓ R&D on new tooling (Rancher, Azure, Terraform, ...)

Environments: Azure, VM under OpenStack, Kubernetes (AKS), Linux

Technologies: Vagrant, Puppet, Ansible, Terraform, Jenkins, Artifactory, Nexus, Bitbucket, SonarQube, JIRA, maven, tomcat, Ruby, Gitlab, Magento, Redis

Mission: improvement of the infrastructure for the document management global solution, improve communication between development and infrastructure teams

Achievements:

- ✓ Expert in WebSphere Application Server on AIX and Windows: setup, stabilization and scripting (both AIX & Windows)
- ✓ Upgrade of products used (WebSphere Application Server, IBM Content Manager, IBM Content Integrator, IBM OnDemand)
- ✓ Redesign WAS infrastructure for high availability (standalone profiles clustering by persistence and load balancing with a F5 BigIP)
- ✓ Provide architecture guidelines for the development teams
- ✓ Monitoring the WAS platform

Environments: IBM Content Manager and OnDemand under AIX and Windows 2008 R2, hosted by WAS 8.5

Technologies: jython, bash, java, REST-WS, jmeter, websphere application server

Mission: improvement of the development infrastructure, main business application code quality, redesign architecture, improve communication between development and middleware teams, work closely with release and process management teams

Achievements:

- ✓ Collaborate with process and delivery teams for quality improvements: devops platform based on bamboo, maven, sonar and some customized plugins & scripts
- ✓ Improvement of applications delivery (auto deployment, platform setup and configuration scripting, maven specialized plugins development)
- ✓ Expert in WebSphere Application Server: improvements, stabilization, scripting
- ✓ Introduce Enterprise Integration Patterns by implementing Camel framework

Environments: Linux, Windows

Technologies: bamboo, Java/JEE, SonarQube, scripting

*Middleware architect at Credit du Nord, Lesquin, France*

*Jan 2009 - Dec 2010*

Mission: research, design and management of technical projects (J2EE infrastructure)

Achievements:

- ✓ "Functional clustering": link business features to technical components
- ✓ Support and contact for performance testing
- ✓ Optimize the J2EE infrastructure
- ✓ Weblogic technical expert

Environments: IBM AIX, Weblogic

Technologies: java

*Senior Architect at Logica, Lille, France*

*2007 – 2008*

Mission: performance and infrastructure architecture

Achievements:

- ✓ Design front office infrastructure architecture of the CAMIF website
- ✓ Specialist in JEE performance improvements
- ✓ Source code audit for "La Redoute"
- ✓ Business cases analysis for implementing a new ITIL HelpDesk at Nexity
- ✓ Support for projects performance improvement...

Environments: Linux, Windows Server

Technologies: java

*Technical Architect at Quadra, Lille, France*

*2004 – 2006*

*Consultant and Technical project manager Bruxelles, Belgium and Paris & Lille, France*

*2000 – 2003*

*Front end developer at Cité numérique, Lille, France*

*1999*

*Network consultant at Netinfo, Dunkerque, France*

*1998*

*IT manager at SCP Zwervaegher, Dunkerque, France*

*1993 – 1997*