



Arthur Caranta

Cloud Architect - DevOps Engineer

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📍 Mougins, France

🌐 www.albus-insec.com

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📍 06250, Mougins

📅 Born 20/02/1978

💑 In a civil union

📄 Driving License: B

🌐 LinkedIn

[acaranta](https://www.linkedin.com/company/acaranta)

🐦 Twitter

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

🐙 Github

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

ITII (Groupe ESIM)

Engineer Degree

Marseille • (1998 - 2001)

Lycée Technique de

Lorgues

BTS

Electronique /

Technologie Industrielle

Lorgues • (1996-1998)

Lycée Jules Ferry

BAC S

Cannes • (1993 - 1996)

French

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English

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English read and spoken fluently (TOEIC: 895/985)

ITIL v3 Certified

04/2009

- Experienced System and Network Engineer with over 20 years of expertise in network architecture, systems administration, infrastructure operations, security assessment, and high-availability environments. Skilled in designing, deploying, and maintaining complex IT infrastructures, including VPN solutions, DNS/IPAM, load balancing, monitoring platforms, Linux/Windows systems, VoIP, clusters and redundant network architectures.
- Strong background across telecom, enterprise, cloud, production and hosted environments. Proven ability to operate production systems, support critical services, improve infrastructure reliability, and contribute to deployment and upgrade processes for large-scale platforms such as Hadoop clusters.
- Passionate about automation, self-hosting, AI tooling, cost tracking, and building controlled, reliable technical environments that support both operational efficiency and innovation. Currently working as a freelance System and System Engineer, bringing a pragmatic, hands-on approach to customer infrastructure challenges.

Orange

Mougins, Provence-Alpes-Côte d'Azur, France

Cloud Architect

September 2018 - Present (7 years 10 months)

Reworked a full cluster of Artifactory servers, serving 3M Artefacts to thousand of users/servers.

- worked to upgrade an old installation to more powerful servers, and designed a fully automated deployment process using Ansible of a brand new docker based microservices architecture.
- increased maintainability, future upgrades and scalability of the system critical artefacts serving cluster.
- User support, designing solution for special cases, etc
- Worked to help designing and testing the evolution of internal (and external) DNS servers from legacy Bind servers to fully dockerized powerDNS ecosystem, dnsmdist and other components.
- Definition, in partnership with Security Team, of standard Docker OS images used as base for all in house builds :
- Definition of an automated OS construction CI/CD
- improved the security checks by using daily builds against CVE vulnerabilities databases
- research to integrate new OS when need appear : Ubuntu, CentOS, Debian, RockyLinux, etc.
- System Admin for different platforms in our team, automating pipelines, script dev, etc.

Albus-Insec

Mougins, France

Freelance

November 2004 - Present (21 years 8 months)

Hosting a full infrastructure of hundreds of services, using my experience to test/implement and deploy high availability services (DNS/artefact storage/ network redundancy) in order to host my own set of tools for work and leisure.

- IT tools : IPAM, DNS, Load balancer and other networks services
- Monitoring : from checking all services are running smoothly to having full historical data graphed on multiple levels
- Media hosting : streamlining the use of my personal media library at easy from multiple devices and locations

- High availability : designing and operating DB clusters, network redundant infrastructure
- AI : hosting many tools to empower the use of AI in a controlled environment (single LLM proxy), tracking costs, while being able to keep up to date with latest technologies available
- selfhosting in production of any tool deemed useful to my workflow, after testing it in a real environment

Amadeus IT Group

Sophia Antipolis, Provence-Alpes-Côte d'Azur, France

Cloud Architect

August 2017 - September 2018 (1 year 2 months)

Operate and maintain Hadoop Clusters

- Help design and implement common tasks for deployment and upgrades of Hadoop BIG Data Clusters
- Define and implement an automated build solution to validate clusters deployment and code as part of a nightly CI/CD process
- Increase the level of operational readiness regarding monitoring solutions.
- Define and boost migration from legacy Puppet automation systems to Ansible ecosystem (AWX/Tower, Ansible reusable roles, etc)
- Operate Big Data Hadoop cluster running MapR distribution, responding to incidents raised by automated systems or by interacting with customers' needs

Airbus Defence and Space - Intelligence

Sophia Antipolis, Provence-Alpes-Côte d'Azur, France

Cloud Architect

June 2016 - July 2017 (1 year 2 months)

Design, discuss and implement new hosting methods of existing and future applications, based on Docker containers, following DevOps methods

- Deploying and integrating Docker based solutions
- Evaluation of container orchestration products : Mesos, Swarm, Kubernetes, Rancher
- Final choice of a product and implementation of Kubernetes in production
- Automation of Kubernetes deployment using Salt
- Deploy of Kubernetes on Public Clouds : Google Cloud, AWS, Azure
- Implementation of a monitoring solution based on the ELK stack (ElasticSearch, Logstash, Kibana) and the Beats suite, in a scalable Kubernetes environment
- Documentation of the installation/maintenance about the designed solutions
- Support of Dev teams to allow migration of existing apps into microservices architecture

Orange

Sophia Antipolis

Linux System Engineer

May 2006 - June 2016 (10 years 2 months)

- System Administrator
- Linux Engineer
- Container Technologies : Docker, Swarm
- BigData Processing clusters : Hadoop, PIG, Oozie
- New Technologies Research

Experis

Sophia-antipolis

Network & System engineer

September 2005 - June 2016 (10 years 10 months)

Virbac

January 2006 - May 2006 (5 months)

Network engineer

- Created a Cisco VPN Infrastructure

- Integrated IT structure

- Network Architecture

SITA

September 2005 - January 2006 (5 months)

Network engineer

- Studied different VPN Architecture for customers
- Tested different hardware solutions
- Network Administrator

France Télécom R&D

June 2005 - August 2005 (3 months)

Network engineer

- Tested Network Hardware aimed at professionnall customers
- Hardware tuning
- Mail Server Solution design

Equant

November 2004 - January 2005 (3 months)

Network engineer

- Network Security
- systems Security Assessment

Schneider Electric

June 2004 - November 2004 (6 months)

Network engineer

- Linux/Windows System Administrator
- Network Architecture
- Network Management

Equant

February 2004 - June 2004 (5 months)

Network engineer

Equant

May 2002 - January 2003 (9 months)

Network Engineer

VoIP Télécom

October 2001 - April 2002 (7 months)

System & Network Engineer

- Technical Solutions Development
- VoIP Administrator
- Software Developper
- Support

MATRA Nortel Communications

September 1998 - September 2001 (3 years 1 month)

Network engineer

- Pre Sales Technical Studies
- System Administrator
- Network Architecture
- Software Development

Operating Systems

Linux (Debian/Ubuntu/etc)



Windows



Containers

Docker



Kubernetes



Docker Compose



Swarm

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Automation

Ansible

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CI/CD

Drone CI

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VCS

git

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Software

Apache

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OpenVPN

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Database

MySQL

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Network

Bind DNS

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Cisco

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IPv6

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email

Postfix

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Monitoring

Prometheus

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Xymon

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Languages

Perl

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CSS/XHTML

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Jenkins

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Gitlab

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subversion

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Nginx

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HAproxy

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PostgreSQL

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LAN/VLAN/WAN/Ethernet

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Routing

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Firewalling

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VPN

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Grafana

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Nagios

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Kibana

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Python

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Bash

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PHP

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JavaScript

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Reading

Cinema

Photography

Tech Watch