

ANTOINE AUBÉ

29 years old | Near Toulouse, France

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WORK EXPERIENCE

Cloud engineer & DevOps

Stack Labs

Since May 2019

Toulouse, France

- Study and architectural proposals for information systems migrated to *Google Cloud Platform*
- Development of a software for monitoring and alerting costs in *Google Cloud Platform* projects (*Python*, *Terraform*)
- Development of *Stack Labs*' *Google Cloud Platform* services reseller business, *FinOps* support
- Development of Airbus' catalog of satellite images
 - Software development : *Go* webservices interacting with *Postgres* and *Elasticsearch*
 - Development of the cloud environment on *Google Cloud Platform* (*Terraform*, *Kubernetes*, *Helm*)
 - *CI/CD* automation (*GitLab CI*)

Software engineer

iDruide

Jan. 2019 – Apr. 2019

Monaco

- Development of a *MDM* system hosted on private cloud, designed to control a fleet of tablets for teaching purpose
- Event-driven architecture (*Go*, *Apache Kafka*)

R&D engineer

Axonic

Sept. 2017 – Déc. 2018

Vallauris, France

- Development of *V&V* tools : *DSL* dedicated to neurostimulation for system testing, automated generation of *GUI* tests
- Development and maintenance of the company's software : a framework designed to configure neurostimulators (*Java 8*), and its interfaces (*GUI*, *CLI*)
- Industrialization of a *Ph.D.* aiming at formalizing justification requirements in critical domains, in order to automate the justifications production

EDUCATION

Ph.D. in Computer Science

ISAE-SUPAERO — Institut Supérieur de l'Aéronautique et de l'Espace

2020 – 2023

Toulouse, France

- Industrial *Ph.D.* in collaboration with the *ONERA* and *Stack Labs*
- Subject : early design of cloud systems
 - Identification of recurring industrial requirements for cloud environment in cloud migrations
 - Modeling of cost assessment for autoscaling cloud environments
 - Development of a discrete-events simulator that implement the cost assessment model (*Java 21*), validated in an aerospace project
 - Literature review, publication of results, conference presentations

Engineering and Master degrees in Computer Science

Polytech Nice-Sophia Antipolis

2013–2018

Nice, France

- Specialization in software architecture, model-driven engineering and distributed systems

SKILLS OVERVIEW

Programming languages : Java (*JDK 8* and *21*, certif. : *1Z0-808*), Go, Python, UML

Cloud providers : Google Cloud Platform (certif. : *Associate Cloud Engineer*), Scaleway

Containers : Docker, Podman, Kubernetes, Helm, Google Kubernetes Engine, Cloud Run

Databases and storage : Postgres, MongoDB, Cassandra, InfluxDB, DGraph

Method and related : DevOps, FinOps, Agile (Kanban, Scrum), TDD, DDD

English (TOEIC[®] : 940/990)

SIDE PROJECTS (ALL FREE AND OPEN SOURCE!)

josé : multi-tenant platform for exchange systems (e.g. local exchange trading systems). Developed in *Elixir* with *Phoenix*'s stack, deployed on *Kubernetes* (WIP!)

vassign : festival volunteers assignment tool. Constraint programming, developed in *Python*

gemtext-mode : major mode of *Emacs* for *Gemtext*, with syntax highlighting and additional editing features