

# Sylvain COULOMBEL

DevOps engineer

## About

62 Boulevard du  
President Wilson  
Antibes Region Sud  
06600 FR

✉ sylvaincoulombel@gmail.com

☎ + 33 6 30 97 33 48

🌐 scoulomb.github.io

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in sylvain-coulombel

## SRE

Kubernetes OpenShift  
Docker CI/CD pipeline

## Back-end Development

Python Java C++

## Languages

French (Native speaker)  
English (Advanced)

## Interests

### Sports

Sailing  
Skiing  
Running  
Swimming  
Kung-Fu

## Summary

DevOps engineer, currently working for Amadeus. I love learning new things!

## Experience

### Amadeus, Infrastructure and services

Senior Software Engineer and SRE

06/2019 - Present

We are automating load balancer configuration, DNS and firewall. Aim is to provide self-service API to automate this configuration and eliminate the toil. My role is to build the framework foundation, provide architecture and technical recommendations. Technology used: Python, Docker, Karate, Kubernetes, Jenkins, F5, InfoBlox

### Amadeus, API and Web Services Platform

Senior Software Engineer and SRE

01/2018 - 06/2019

We designed an internal REST API which enables to automate ESB configuration. This automation is leveraged by the open API program. I was in charge of API design and development. In a second time I moved to a SRE role to deploy this automation in the cloud and setup the operational model. Technology used: OpenShift, Java, SoapUI

### Amadeus Hospitality

Software Engineer

07/2016 - 02/2018

We were working on modules managing hotel segment of Passenger Name Records database. Those modules are part of the Amadeus GDS (Global Distribution System). It aims at connecting travel agent to hoteliers's CRS (Central Reservation System). I designed and implemented new features. I also participated to maintenance activities and on call roster to ensure high service level agreement. Technology used: C++, Python, Oracle

### Amadeus Hospitality

Software Engineer

09/2014 - 07/2016

Our team developed the reservation module for the new cloud native Central Reservation System. It is now used by all IHG properties. I was back-end developer and scrum master of the team for 1 year. Technology used: C++, Python, Couchbase.

### Amadeus Hospitality

Software Engineer Intern

02/2014 - 07/2014

Study how NoSQL technologies could be used for managing hotel reservations. Technology used: Couchbase and MongoDB.

### CEA List

User experience design assistant (Intern)

08/2012 - 01/2013

Design and development of an interactive multimedia system that enables a continuous form of interaction between different sizes of screen with varying modalities of interaction. Technology used: Android, Python and Kinect.

### Snecma, Groupe Safran

Factory worker (Intern)

07/2009 - 07/2009

Factory worker on Rafale's engine assembly line

## Education

### Linköping University

Master's in computer science Computer Science  
GPA 3.9

08/2013 - 07/2014

### Shanghai University

Chinese Language teaching program Language and culture

02/2012 - 07/2012

### UTC

Ingénieur UTC, spécialité informatique Engineering

09/2009 - 06/2014

## Awards

### Certified Kubernetes Application Developer (CKAD)

Cloud Native Computing Foundation

### Introduction to Global Hospitality Management

edX

### Certified Scrum Master

Scrum Alliance

### MongoDB for Developers (M101P) and DBAs (M102)

MongoDB University

## Publications

### NoSQL technologies for hotel bookings

Linköping University

01/2015