

# Sylvain COULOMBEL

DevOps engineer

## About

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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 managing hotel segment of Passenger Name Records (PNR) database. This module is used by Amadeus GDS. It aims at connecting travel agent to hoteliers (CRS). I design and implemented new features, 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 reservation system (CRS). 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  
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