



# Adrien DRIFFAUD

DEVELOPER

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## ABOUT ME

With 11 years of experience in software development, I am a 33 years-old self-taught programmer skilled in full-stack development, now focused on backend development using Elixir and Golang. I have helped implement scalable and secure cloud-based backend systems on AWS and Kubernetes.

## SKILLS

- Elixir
- Javascript
- Clojure
- Kubernetes
- Golang
- PostgreSQL
- Java
- AWS

## SIDE PROJECTS

- Script creation to extract data from flight simulator Digital Combat Simulator and generate a scoring system for e-sport events
- Design and assembly of amateur astronomical equipment (automatic focuser, tracking mount)
- Custom mechanical keyboard build and programming
- LED lighting builds based on ESP8266 modules integrated to Home Assistant home automation system

## LANGUAGES

French

English

Spanish

## INTERESTS

Astrophotography  
3D printing  
Photography  
Guitar  
Computer music  
Aviation



## EXPERIENCE

### Backend and infrastructure developer @ Airnity Jan 2022 - Now

- Developing a **Kubernetes operator** in **Elixir** to help automate deployment and configuration of telecom nodes and their dependencies (DB, secrets, links between nodes)
- Setting up **ArgoCD** and **Crossplane** to ease developers self service experience
- Creating a **Crossplane Vault provider** based on the **Terraform** module to allow the use of Kubernetes resources to create Vault resources as authentication backends, key-value stores & PKIs

### Senior software development engineer @ Sierra Wireless Apr 2017 - Dec 2021

- SIM-card management system development for Ready-to-Connect product in **Clojure**
  - SIM lifecycle management, from card manufacturing to customer using them
  - Telecom system nodes provisioning
  - SIM cards OTA at activation to provide global IoT connectivity
- Bootstrapped frontend for Octave product using **Golang**, **GraphQL** and a **React.js SPA**
- Refactored AirVantage platform **node.js** frontend code to remove legacy code and reduce technical debt

### Software developer @ Lomaco Sept 2012 Apr 2017

- Designing the application system architecture
- Developing REST APIs in **Java**, **React SPA** client, using **PostgreSQL/PostGIS** for storage and geographic data processing
- Server administration and app maintenance, providing consistent uptime and minimizing downtime for users
- Staying up-to-date with emerging technologies and industry trends, allowing the evolution of the application, notably migrating from jQuery + Backbone.js to React, and from Spring XML to **Spring Boot**



## EDUCATION

### B.S. in web Geographic Information Systems 2011 - 2012

Perpignan University - Carcassonne

### B.S. in public lighting and power networks 2010 - 2011

ISFME - St Affrique