

Adrien DRIFFAUD

DEVOPS



CONTACTS



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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 Go. I have helped implement scalable and secure cloud-based backend systems on AWS and Kubernetes.

SKILLS

- Elixir
- Javascript
- Clojure
- Kubernetes
- Golang
- PostgreSQL
- Terraform
- 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)
- LED lighting builds based on ESP8266 modules integrated to Home Assistant home automation system
- Grafana and Prometheus integration with Home Assistant data for long term statistics

LANGUAGES

French

English

Spanish

INTERESTS

Astrophotography
3D printing
Photography
Guitar
Computer music
Aviation



EXPERIENCE

Devops @ Airnity

Jan 2022 - Now

- Developing **Kubernetes operators** in **Elixir** and **Go** 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** in **Go** 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