Adrien
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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
- Clojure
- Golang
- Java
- Javascript
- Kubernetes
- PostgreSQL
- 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
  - SIM lifecycle management, from card manufacturing to customer using them
  - Telecom system nodes provisioning
  - SIM cards OTA at activation to provide global IoT connectivity
- Bootstraped 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