## **JEREMIE RODRIGUEZ**





**FRENCH** 

**BIRTH DATE** 27 MAR 1987

**DRIVER LICENSES CAR | MOTORCYCLE** 



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# **Cloud Engineer**

# **experience**

#### **APR 2022 - AUG 2022**



Cybersecurity

Employer: Stack Labs | Cloud Services Techs: GCP | Firebase Functions | Firestore | Node.js

Response | Security events remediation | TypeScript | Elasticsearch Project:

- Attribute static IPs to Cloud Functions with Serverless VPC Access, custom VPC network & Cloud NAT
- Development of a new API from the ground up with a FaaS architecture hosted on GCP & Firebase
- API that enables an UI to trigger automated remediation actions depending on custom cybersecurity events rules created by the user
- Use the **Elasticsearch Watcher API** to trigger remediation actions when a security event is detected
- Implement Node.js backends best practices: tooling, Git hooks, modular architecture, tests with a 99%+ code coverage
- CI/CD with GitLab: automate builds, tests, lints & releases
- Add Merge Request reports to GitLab: code coverage, test suites & Terraform
- Automate infrastructure deployments with Terraform
- Create a shared monorepo project with **Turborepo** & **Changesets** to manage releases

#### **AUG 2021 - NOV 2021**



**Banking transactions** 

Employer: Freelancing | IT Services Techs: GCP | GKE | Kubernetes | Kustomize | GitLab

Project: Cloud infrastructure audit & refactor | Terraform

• Redo their GKE Kubernetes clusters from scratch

- Use a **GitOps** approach to manage the infrastructure
- Use **Kustomize** to organize *K8s manifests*
- Create custom VPC network
- Add the Linkerd service mesh to increase security with mTLS
- Add Linkerd multicluster extension to enable encrypted multi-cluster traffic
- Put Secrets & ConfigMaps in Git, encrypting Secrets with Sops from Mozilla
- Automate their Cloud infrastructure resources allocation using Terraform
- Create an automated CouchDB database backup in Bash as a Kubernetes Cronjob
- Audit their existing Cloud infrastructure & document it

**AUG 2021** 



Aerospace innovation projects

Techs: GCP

Employer: <u>Freelancing</u> | *IT Services* Project: Google Cloud landing zone Creation of a new Google Cloud Identity

• Help with the implementation of **best practices** related to GCP Organizations

#### **NOV 2020 - DEC 2021**

irrijardin

**Pools & Spas** 

Employer: <u>Freelancing</u> | *IT Services* Techs: React Native | TypeScript | AWS | Lambda |

Joey | Mobile app & FaaS development CloudFormation | DynamoDB Project:

• Create & maintain AWS Lambda cloud functions

Automate AWS resources allocation using CloudFormation

Add features, refactor & maintain native app with React Native

• TypeScript expertise to ensure code quality & maintainability

Implement subscription payment system on Google Play & Apple App Store

Debugging & L3 support

#### **APR 2020 - NOV 2020**

Freelancing

**IT Services** 

Client: <u>Ividence</u> | Advertising Techs: Golang | MongoDB | Kubernetes

Project: Performance diagnostics

Analyze MongoDB performance bottlenecks on MongoDB Atlas

• Suggest changes on MongoDB queries that end-up with a high CPU usage

• Implement an in-memory cache service in **Golang** for performance improvements with complex **MongoDB** queries

Client: N'PY | Ski Resorts Techs: Dataflow | GCP | Terraform

Ski lift tickets sales data lake Project:

• Create Cloud Infrastucture as Code using Terraform & Ansible on Google Cloud Platform

Project: Small missions here & there Techs: React | Ionic Framework | GitLab

• Add features on a **React Ecommerce app** to find a *local professional gardener* 

• Implement features on a hybrid mobile app using the Ionic Framework & React

#### OCT 2018 - MAR 2020

sigfox

Wireless Networks

XDoG | Kubernetization & move to GCP of Docker | JavaScript | Kubernetes | GCP | GKE Techs: Project:

Web platforms | Istio | Jenkins

• Migrate web platforms to Kubernetes on Google Kubernetes Engine

• Adapt APIs for K8s: health probes, Prometheus metrics, etc

Assist in adapting Jenkins pipelines to Google Cloud Platform

Project: eXperience Design | *Features development* Techs: Node.js | React | JavaScript | Styled-

> & maintenance of Web platforms Components | Gatsby.js

Front-end/back-end engineering using React, Redux, Node.js & Koa

• Production debugging & monitoring

• CI/CD with GitLab

**IUL 2018 - SEP 2018** 

Capgemini

**IT Services** 

**Airbus Defence & Space** | Space Systems Client: Techs: React | Redux | Node.js | TypeScript | Docker

NemEO/DiginEO | Web framework & portal Project:

- Technical manager of a 3-developer team
- Front-end development: React & Redux
- Maintenance of the Architectural Design Document
- Deployment industrialization using Docker

#### **JUN 2017 - JUN 2018**



Space Systems

Employer: <u>CS</u> | *Aerospace Industry* 

Pulsar | Ground-Segment simulators with UI

Techs: Node.js | TypeScript | Angular | Docker |

PostgreSQL | Java 8 | Spring Boot

- Use case supervisor on Postgres DB engineering & implementation
- Development of multiple micro-services & components: back-end using **Node.js** & **TypeScript**, front-end using **Angular v6**
- Micro-services dockerization
- CLI utilities development

#### **JAN 2017 - MAY 2017**



French Space Agency

Techs: Java 6 | JsCh | Jenkins

Employer: <u>CS</u> | *Aerospace Industry* Project: Trafic | *Files transfer tool* 

- Development of a new transfer protocol using native File System
- Maintenance: refactoring of several classes
- Jenkins CI/CD project integration

#### **NOV 2016 - DEC 2016**



**IT Services** 

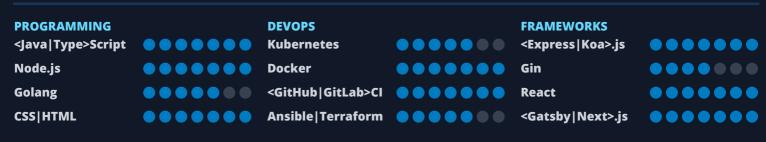
Client: Omnium Finance | Financial Services
Project: Client base management with UI

Techs: Angular.js | JavaScript | Docker | Spring Boot

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- Back-end development using Java 8 with Spring Boot & JPA
- Front-end development using Angular.js, Bootstrap & SASS
- Docker initiation & Spring Boot container creation

### skills



#### toolbox













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coding

interests







movies





education

