

NATIONALITY
FRENCH

BIRTH DATE
27 MAR 1987

DRIVER LICENSES
CAR | MOTORCYCLE



/jeremiergz 

@JeremieRgz 

gitlab/jeremiergz 

github/jeremiergz 

contact@jeremierodriguez.com 

Cloud Engineer

experience

APR 2022 - AUG 2022



Cybersecurity

Employer: Stack Labs | *Cloud Services*

Project: Response | *Security events remediation*

Techs: *GCP | Firebase Functions | Firestore | Node.js | TypeScript | Elasticsearch*

- 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*

Project: *Cloud infrastructure audit & refactor*

Techs: *GCP | GKE | Kubernetes | Kustomize | GitLab | 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

Employer: Freelancing | *IT Services*

Project: *Google Cloud landing zone*

Techs: *GCP*

- Creation of a new **Google Cloud Identity**
- Help with the implementation of **best practices** related to *GCP Organizations*

NOV 2020 - DEC 2021



Pools & Spas

Employer: Freelancing | *IT Services*

Techs: *React Native* | *TypeScript* | *AWS* | *Lambda* |

Project: *Joey* | *Mobile app & FaaS development*

CloudFormation | *DynamoDB*

- 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: Ividence | *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*

Project: *Ski lift tickets sales data lake*

- Create Cloud **Infrastructure 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



Wireless Networks

Project: *XDoG* | *Kubernetesization & move to GCP of Web platforms*

Techs: *Docker* | *JavaScript* | *Kubernetes* | *GCP* | *GKE* | *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 & maintenance of Web platforms*

Techs: *Node.js* | *React* | *JavaScript* | *Styled-Components* | *Gatsby.js*

- Front-end/back-end engineering using **React**, **Redux**, **Node.js** & **Koa**
- **Production debugging & monitoring**
- CI/CD with **GitLab**

JUL 2018 - SEP 2018



IT Services

Client: Airbus Defence & Space | *Space Systems*

Techs: *React* | *Redux* | *Node.js* | *TypeScript* | *Docker*

Project: *NemEO/DiginEO* | *Web framework & portal*

- **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: CS | Aerospace Industry

Project: 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

Employer: CS | Aerospace Industry

Project: Trafic | *Files transfer tool*

Techs: *Java 6* | *JsCh* | *Jenkins*

- 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*

- 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

PROGRAMMING

<Java|Type>Script



Node.js



Golang



CSS|HTML



DEVOPS

Kubernetes



Docker



<Git|Hub|GitLab>CI



Ansible|Terraform



FRAMEWORKS

<Express|Koa>.js



Gin



React



<Gatsby|Next>.js



toolbox



vscode



npm



mongo



redis



gcp



rpi

interests



coding



tech



sports



movies



music



nature

education

2008



INTERMEDIATE JAPANESE
CERTIFICATE
Sendagaya Japanese Institute
TOKYO - JP

2010



JAPANESE LANGUAGE
BACHELOR DEGREE
Jean-Jaures University
TOULOUSE - FR

2012



IMPORT-EXPORT
DEGREE
AFPA
TOULOUSE - FR

2016



COMPUTER PROGRAMMING
BACHELOR DEGREE
AFPA
TOULOUSE - FR