JEREMIE RODRIGUEZ

NATIONALITY
FRENCH

BIRTH DATE
27 MAR 1987

DRIVER LICENSES
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Cloud Engineer

experience

APR 2022 - AUG 2022 — SaaS Alerts — *Cybersecurity*

Employer: <u>Stack Labs</u> | *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 — canB — *Banking transactions*

Employer: <u>Freelancing</u> | *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 — AIRBUS — *Aerospace innovation projects*

Employer: <u>Freelancing</u> | *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   irriJardin   *Pools & Spas*

Employer: <u>Freelancing</u> | *IT Services*
Project: Joey | *Mobile app & FaaS development*

Techs: *React Native | TypeScript | AWS | Lambda | 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: <u>Ividence</u> | *Advertising*
Project: *Performance diagnostics*

Techs: *Golang | MongoDB | Kubernetes*

- 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: <u>N'PY</u> | *Ski Resorts*
Project: *Ski lift tickets sales data lake*

Techs: *Dataflow | GCP | Terraform*

- 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*

Project: XDoG | *Kubernetization & 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   Capgemini   *IT Services*

Client: <u>Airbus Defence & Space</u> | *Space Systems*
Project: NemEO/DiginEO | *Web framework & portal*

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

- **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*
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: <u>CS</u> | *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
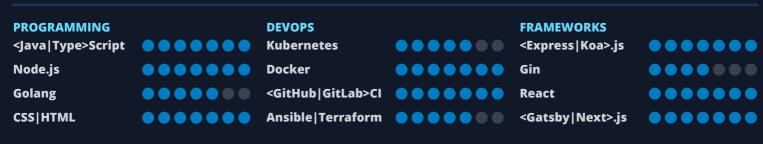- **Jenkins CI/CD** project integration

NOV 2016 - DEC 2016

IT Services

Client: <u>Omnium Finance</u> | *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	●●●●●●●○
<GitHub|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	2010	2012	2016
INTERMEDIATE JAPANESE CERTIFICATE	**JAPANESE LANGUAGE BACHELOR DEGREE**	**IMPORT-EXPORT DEGREE**	**COMPUTER PROGRAMMING BACHELOR DEGREE**
Sendagaya Japanese Institute	Jean-Jaures University	AFPA	AFPA
TOKYO - JP	TOULOUSE - FR	TOULOUSE - FR	TOULOUSE - FR