



## Cover letter for the position Full Stack Engineer Node/React

Firstly, thanks to the person who's taking time to read these lines.

### TL;DR

Something that could be totally relevant for this position is that I've entirely renovated my whole house by myself during the last year, so I know some stuff about construction too.

I'm a FullStack developer living in the south of France, seeking for new exciting projects.

I got my first master's degree in Astrophysics in 2015, it was an erasmus cursus, and that's where I learned English (among a lot of other things).

The moment I knew I wanted to learn a bit more of IT stuff was during my master's degree internship, where I did a lot of "bash scripting" (also for personnel use).

After that, I decided to get another master's degree, but in software engineering. This one was made in apprenticeship with the first company I've then worked for, for 3 years (OBS - Blagnac, Fr).

I started web development (React/Node) in my very first years of development. At this time, I was quite learning a lot, but I already had a particular interest in the whole Javascript environment. Also beginning to create some Gitlab CI/CD pipelines and getting some work done using Docker.

After that, I've worked for a bit more of a year for the "*Legrand*" company (world wide electrical company), in their R&D department.

I was helping them build a solution to configure freshly made IoT thermostats, and for that I learned VueJS (used along with Quasar, because it had to be run on mobile phones).

I must say I loved to use Vue, even though I'm much more experienced in React (7yrs) for now.

At that time, in addition to the use of VueJS, I've created some CI/CD pipelines in Azure DevOps (the cloud Legrand used), to automatically build new phone apps (apk/ipa), using Docker.

Then, I've started to work a bit more with infrastructure, and infrastructure as code (IaC), specifically working with "*aws-cdk*" (for AWS cloud) and with "*Terraform*" after that.

My very first project working with AWS was for a tiny startup, located in Paris, France. I had to entirely create (and improve) their infrastructure, but I wanted that code easily customizable, so that new developers would be able to tweak it as their needs evolve.

That's why I used "*aws-cdk*" to do so, the whole infrastructure was actually a "simple" TypeScript class.

Basically, dealing with some lambdas, API Gateway, RDS, and docker images through ECR and deployed either on EKS or using some ec2 instances (depending on the costs), among other things.



For that startup I also drove a migration from Notion to Jira, in order to get more data and KPIs about the progress of the projects.

I've also driven a migration from *Express* to use *NestJS* (both with JS to TypeScript migration), and fixed rules in frontend developments (use "Redux" with "rtk-lib" for example). I've also used "NextJS" to create some tiny products for this company.

We used Github actions as CI/CD pipelines in that company. The whole infrastructure was totally destroyed and recreated from scratch with an only push on the "main" Git branch. This was my very first "DevOps" project (in addition to product developments in Node/React), and I must say that I loved it.

I then worked for more than 2 years at a company where I did a lot of Node/React developments, and I used AWS as a cloud provider also. I was the person who had the best understanding of how that cloud worked in the team, so I managed it. That's where I started deploying applications using Helm for example. This is where I started using Prisma, in addition to NestJS (and I loved it very much).

In this company (and in previous ones) we used Gitlab, specifically for Gitlab's CI/CD features, which are the best IMHO.

These past **7 years** of experience gave me solid expertise about various subjects, such as **Back/Front development**, **CI/CD pipelines** establishments, working collaboration tools (such as **Jira**), many database systems (Google firestore db, Google realtime db, Postgres, MySQL, AWS RDS, MongoDB, etc...), some cloud providers **AWS** (a bit of Azure and **GCP**), and use of **IaC** such as **Terraform** and "**aws-cdk**" (which creates Cloudformation code under the hood).

I am also currently passing some AWS and Kubernetes certifications/courses.

Thank you again for taking the time to read these lines, and if you need more detail about me, here are some useful links:

- Presentation : <https://ghyslainbruno.github.io/presentation>
- LinkedIn : <https://www.linkedin.com/in/ghyslainbruno>
- Gitlab : <https://gitlab.com/users/ghyslainbruno/projects>
- Mail : [ghyslainbruno@gmail.com](mailto:ghyslainbruno@gmail.com)
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- Calendly : <https://calendly.com/ghyslainbruno>

Looking forward for your response,

Best regards,  
Ghyslain BRUNO.