Internship Writing

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EPITECH 3RD YEAR

1ˢᵗ Part

Subject:

Introduce the company to an entrant and explain your work
for him to continue it.

Table des matières

I. Corporation

A. Presentation

Brigad is a startup which was created in 2016 by 3 entrepreneurs. It is an on-demand staffing service for the hospitality industry. It puts in contact businesses that want to recruit, even at the last minute, with the best pre-selected profiles. Indeed, every profile who wants to work with Brigad is verified in order to provide quality staff. Once a profile is checked, it becomes a « Brigader ».

Brigad works in two seperate ways:

- Last minute, which is a service provided by SMS: the business sends a text specifing his needs. Then, Brigad finds the best profile within thirty minutes.

- Long-term, which essentially takes place on the website. Once registered, the business can post offers for different types of jobs and different types of contracts. When offer is posted, Brigaders have access to it and can apply. Business is free to decline or accept the applications and choose the most convenient profile for him.

After every mission, business and Brigaders are invited to grade each other in order to keep the best quality service.

B. Team

Brigad's staff is composed of three teams:

- The business development team involving three people;

- The communication team involving four people;

- The IT development involving six people divided in two parts:

    - « Back-end »: the part that takes care of the database and who sends the right data to the « front-end » part.

    - « Front-end »: visible part of the website/application that takes care of formatting data received from the « back-end ».

II. Project

A. Missions

I was part of the « front-end » team which is the one that takes care of the visual aspect of the website.

We had two main missions:

1. Website

Brigad website is where the business posts offers and Brigaders apply to it. Before I came in, a first version of the website had already been under development using a technology named "Meteor". For delay issues we had to keep going with this technology which wasn't the best for what we wanted to create. From April to late May, we were busy developing the first release of the website which is currently online.

Because there are two types of users, the website is divided in two parts after they have logged in:

- The business part: They have access to their profile and can easily edit it. They also have access to the offers part where they can create new ones or edit and manage the ones that have already been created. Once they have accepted a Brigader for one of their offers, they can communicate with them and see their profile.

- The Brigaders part: Here, they can search for jobs by specifying their address and work zone. Once the search is finished, a list of offers posted by businesses appears and they can apply to each ones and add a message to show their interest. When their application is completed, they will have access to its status and can cancel it.

Since Brigad is still a young start-up, I had to be a force for bringing forward proposals during the development process. Each decision taken by founders can be discussed with them to improve the user experience.

HTML/CSS and JavaScript languages are the three main components of the website. Good knowledge of them are then necessary to understand and improve the code that was already present.

2. Administrative panel

Administrative panel is a website used as a tool by Brigad's staff to manage the database easily. Development started early June once the first version of the website has been put online. Thanks to this tool, the staff doesn't need to work with an Excel file anymore and can easily verify a new user for example.

Indeed, a user has to register on the website, but then he will have to wait until Brigad has finished verifying his profile manually. He can then connect and have access to all the features and receive texts for a mission.

Developing this tool introduce us a new technology called "React" which we intend to use for the website later.

Here are the features available thanks to this tool:

- List all the users and filter them by several criteria (status of the profile, type of jobs wanted, score, city, creation date, etc.).

- Access details of a particular user and ability to edit its information or validate its profile.

- List all offers posted by businesses and also filter them (contract type, type of job, start date, end date, offer's status, etc.).

- Access to the details of a particular offer and applications that are linked to it. It is also in this part that our algorithm of matching takes place and we can find Brigaders for a particular offer.

New features are under developing, like sending texts automatically to Brigaders when they match an offer or some data graphics on the main page.

B. Tools

1. Development

To develop different parts of Brigad, we use Webstorm which is a development environment and is part of the « JetBrains » products. It simplifies the development process thanks to its ergonomic environment. Lot of plug-ins are available for download to improve the user experience and customize his coding way.

Since we use a database, we use Datagrip which is also part of « JetBrains » products. It is really helpful during our test processes because we can manually edit the database's entries to simulate user's actions.

We use Chrome navigator because of his powerful web-developing tool and some useful extensions available on the Chrome Store which also ease our test processes.

2. Project management

To share and keep our project clean, we use GitHub which is a versionning tool. For each project (administrative panel and website) we have a dedicated repository. For each new feature, we create a new branch and when this feature is actually finished, another developer tests it before merging this branch to the main one.

Moreover, we use ZenHub which is an extension to GitHub and add features like a ticket system to keep us organized in our week's tasks.

3. Communication

Communication is key in a development team. This is why we use « Slack » which is a messaging software but has the particularity to create channels to organize the discussions and to stay in touch with other teams (not only developer team but commercial and strategy ones). Everyone can report bugs or think of a new idea/feature. It's also thanks to Slack that the founders keep us updated about Brigad's progress on the market.

C. Management

Our development team is managed by a technical referent. To keep us organized we use the Agile Method Scrum. This method consists in several rules which I will sum up here:

We have a meeting every morning when we arrive during which we speak one after the other to tell what we have done the day before and what we count on doing the actual day. The point is to be informed of what others work on but also to help someone who could be encountering difficulties.

Each week, on Monday, we organize our week's work by creating tickets on ZenHub and debate on the features that will be implemented. We stop our development week on Thursday evening because Friday is reserved to creating betas and test them to release it as production on Friday evening.

We also have a weekly appointment where all the staff is present and talk about the previous week. It is during this meeting that founders talk about the most importants news.

2nd Part

Subject:

Prove your referent you can be part of another project

Hello Jean,

It's been two months now since we launched the website and the administrative panel. Customers seem happy about the website and we have got some warm congratulations from our team about the administrative panel.

I know that the new goal of Brigad is to be ported as a mobile application and this is the purpose of that e-mail.

I want you to make me a part of the mobile developer team. I think that I was a pretty good element in the front-end team and I was a force for bringing forward proposals. You told me several times that I was good at what I was doing and mobile development is not far from what I have done since the beginning.

I really think that I can be useful in this team in regards to my past projects. I have quite little experience in mobile development but I have wanted to work in this domain since the first iPhone came out. Being a part of that adventure would be a great accomplishment for me, I can guarantee you that I will give all myself in it. Can you maybe try me with a test to see what I can do?

Thanks in advance for considering my request and I am looking forward to receive your answer.

Regards,

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