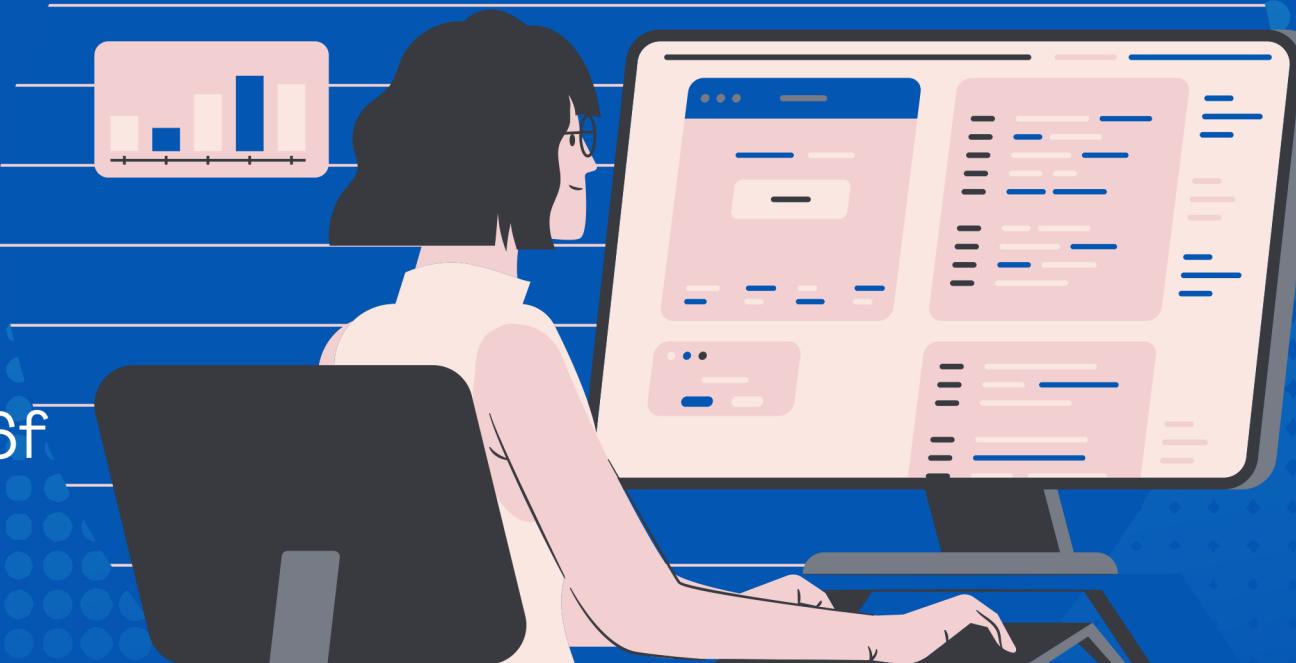


# Case Study: Building a Horeca Job Board Web App

A World of Horeca  
Opportunities - Just  
One Click Away



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# Introduction

In this case study, we're exploring how we built a job board web app for the Horeca (Hotel/Restaurant/Café) industry in this case study.

The app's main goal is to make job searching and hiring easier.

It lets Horeca companies and recruiters post jobs directly. Job seekers can then view these jobs and apply either directly on the app or by going to the recruiter's website.

**Explore thousands of job offers**

The image shows four job listing cards from a mobile application interface. Each card includes a company logo, job title, location, salary, contract type, and experience requirements. The cards are vertically aligned with blue arrows pointing upwards between them, indicating more content below. The cards are:

- Collaborateur restauration accueil/salle (Groot-Bijgaarden)**  
McDonald's (Groot-Bijgaarden)  
Groot-Bijgaarden, € 1500, CDD +2, Full Time +2, No experience required  
5 days ago
- Collaborateur Restauration Cuisine/Grill (Groot-Bijgaarden)**  
McDonald's (Groot-Bijgaarden)  
Groot-Bijgaarden, CDD +2, Full Time +2, Experience required  
11 days ago
- Shift Leader**  
Trattoria Boretti  
Malines, Région flamande, Belgique, € 1800, CDD +2, Full Time +2, Experience required  
11 days ago
- Chef de partie h/f**  
Le Bozar Restaurant  
Rue Baron Horta 3, 1000 Bruxelles, CDI, Part Time, Experience required  
11 days ago

# Problem Statement

**The Horeca industry lacks a specialized job board, leading to challenges in efficient hiring and job seeking, and inconsistency in the application process.**

A dedicated, user-friendly platform is needed.



# Job Seeker Pain Point

**Users struggle with time-consuming job hunting due to the absence of a specialized Horeca platform.**

Job seekers spend excessive time navigating general job boards, struggle to find relevant Horeca jobs, and face confusion due to inconsistent application processes.



# Project Overview

- **Objective:** To create an efficient, user-friendly job board web application to connect Horeca industry employers and job seekers.
- **Audience:** Horeca industry companies, recruiters, HR professionals, job seekers, and students interested in the Horeca industry.
- **Technology Stack:** The application was built using Typescript as programming language, Next.js for the frontend, Tailwind CSS for styling, Supabase for backend services including authentication and storage, and deployed on Vercel.



# Planning & Design

The first phase involved planning the application's structure, features, and design. The key features identified included:

- **Job Listings:** Showcase available jobs in an easy-to-navigate format.
- **User Profiles:** Allow users (recruiters, HR professionals, and job seekers) to create and manage their profiles.
- **Job Posting:** Permit authorized users (recruiters, HR professionals, and companies) to post job vacancies.
- **Application System:** Enable job seekers to apply directly through the platform via an in-house form or be redirected to the recruiter's website.

# Implementation Part 1

The development of the Horeca job board web application followed several steps:

- **Design:** I started with creating a clear design using Figma.
- **Frontend Development:** With previous experience in Next.js 13 and React, i smoothly built the frontend. To speed up the process, i used Tailwind CSS for styling.
- **Adding Authentication:** Initially, i didn't plan to include authentication. However, i realized job posters needed to update or delete posts. Therefore, i chose to add Supabase authentication, which was straightforward thanks to their detailed documentation.



# Implementation Part 2

- **Database Management:** I faced a challenge as Supabase's private table for authenticated users couldn't be edited. To solve this, i:
  - Created a public user table referencing the authenticated user.
  - Linked each job post to a public user.
  - This way, we could access all necessary data for each page and component.
- **Handling Types:** I navigated the new territory of TypeScript by updating global types and understanding database types.

Despite initial difficulties with TypeScript and Supabase, these challenges ultimately deepened my understanding and experience with these technologies.



# Testing & Debugging

The application was thoroughly tested to confirm the proper functioning of all features. This testing phase was primarily conducted by myself and focused on user interactions with the application.

While no significant bugs were discovered in the application's functionality, some minor styling bugs did appear. These were quickly identified and rectified, ensuring the application's aesthetic consistency and user-friendly design.

In the future, I plan to build unit tests for all components and pages to further ensure the stability and reliability of the application.



# Lessons Learned

This project offered deeper insights into TypeScript and Supabase, and allowed me to acquire new skills such as building email forwarding functionality with Nodemailer and Gmail, and learning how to deploy a project.

## Key Lessons:

- Gained a deeper understanding of TypeScript and Supabase.
- Learned to build email forwarding functionality with Nodemailer and Gmail.
- Learned how to deploy a project effectively.



# Future Developments

Looking ahead, we plan to introduce several new features based on user needs and industry trends.

These include:

- **Candidate Profile:** Job seekers will be able to register and create their profiles.
- **Job Sharing:** Users will have the ability to share job posts.
- **Bookmarking:** Job seekers will be able to bookmark or favorite job posts.
- **Resume Builder:** We plan to introduce a feature that will allow job seekers to create and export their CV/resume via our platform.
- **Job Seeker Listing:** This feature will enable recruiters, companies, or HR professionals to seek job seekers themselves and make contact.



# The End

This case study encapsulates the journey and learnings from the development of a Horeca job board web application, and outlines our forward-looking plans for continuous enhancements.

A special thanks goes to Dante for suggesting the creation of a use case. This suggestion provided a clear and focused direction for the project, crafting a valuable tool for the Horeca industry. His insight and advice were instrumental in shaping the project's development.

This journey has not just been about creating a valuable tool, but also about personal growth and skill development. I hope showcasing this use case and the skills I've honed during the project will aid me in my pursuit of a job in frontend development. Thank you for following along on this journey.



# THANK YOU FOR YOUR TIME



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