



A web and web mobile platform to attract institutional funders

A tutored project commissioned by the non-profit association Zafira Solidaire

Portfolio Project

Jeffrey Basset & Ingrid Mornac #C26 Holberton Toulouse

Demo day Nov 2025



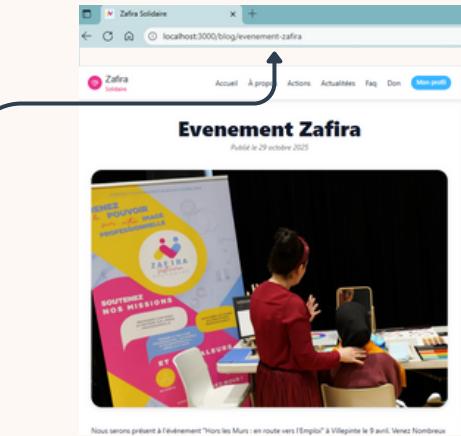
Principales features

A modern and accessible website



SSR & SEO optimised

Slug management, static generation, optimal performance



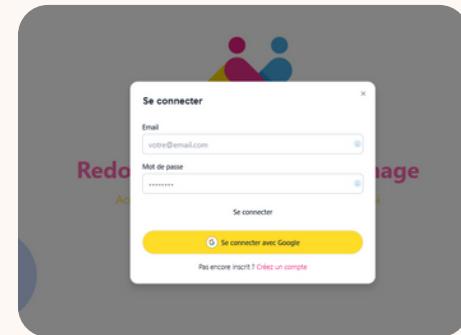
Responsive & Accessible

Interface adaptative mobile & desktop



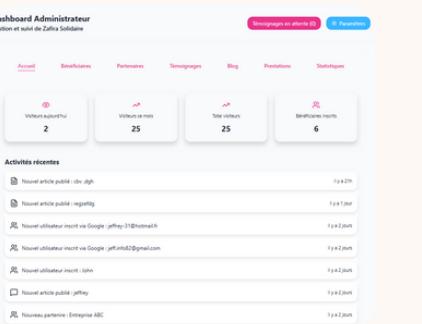
Google Authentication

Secure and simplified connection for users (Oauth2)



Complete Admin Dashboard

Analytics, feeds content, real-time events



Project Team

Close collaboration between developers and Zafira



Jeffrey Basset,
FullStack Developer



Fariza Souilah,
Manager Zafira



Ingrid Mornac,
FullStack developer

Demo



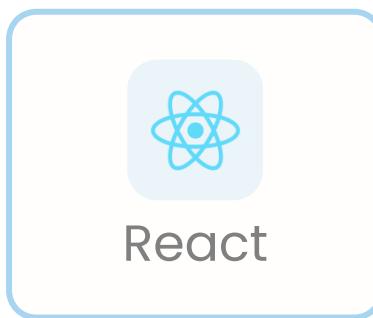
It's the moment to demonstrate
Zafira Solidaire project



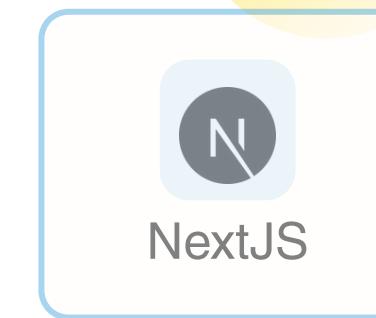
Technical Stack

Modern and efficient technologies

Front-end



React



NextJS



TypeScript



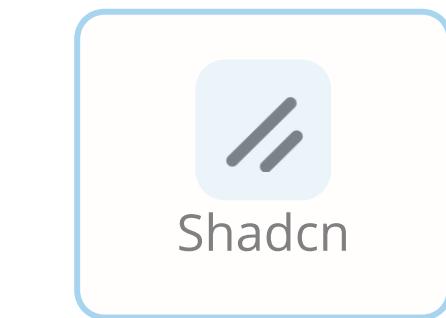
Tailwind CSS



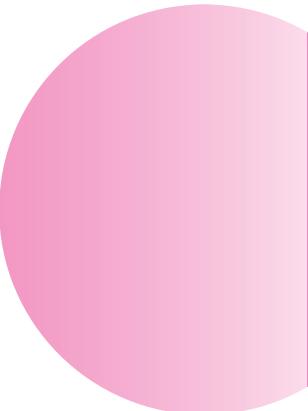
HTML



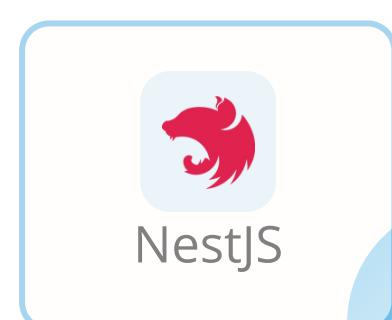
ESLint



Shadcn



Back-end



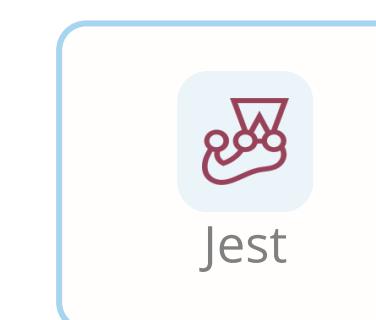
NestJS



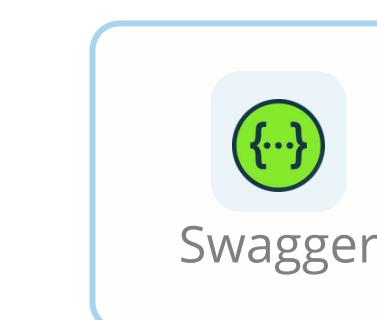
PostgreSQL



Prisma



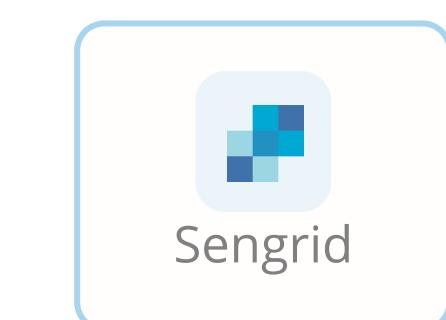
Jest



Swagger



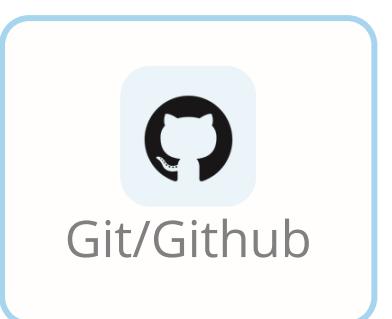
NodeJS



Sendgrid



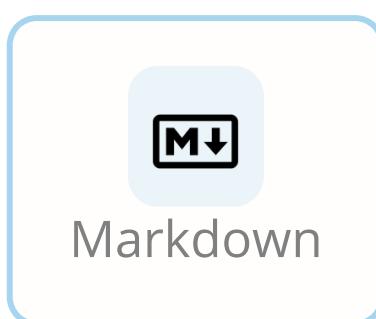
Tools & DevOps



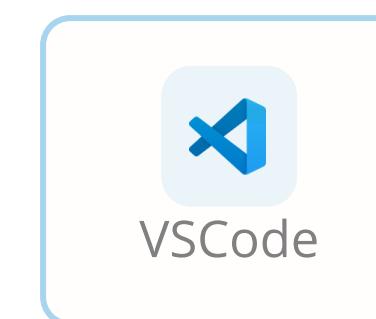
Git/Github



Docker



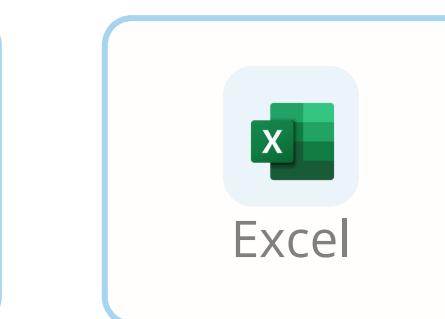
Markdown



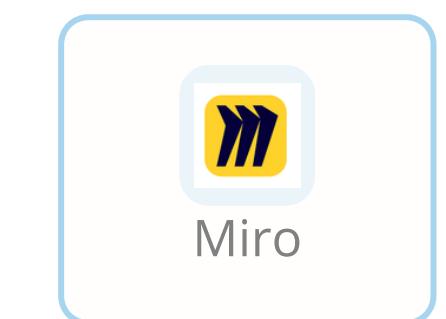
VSCode



Canva



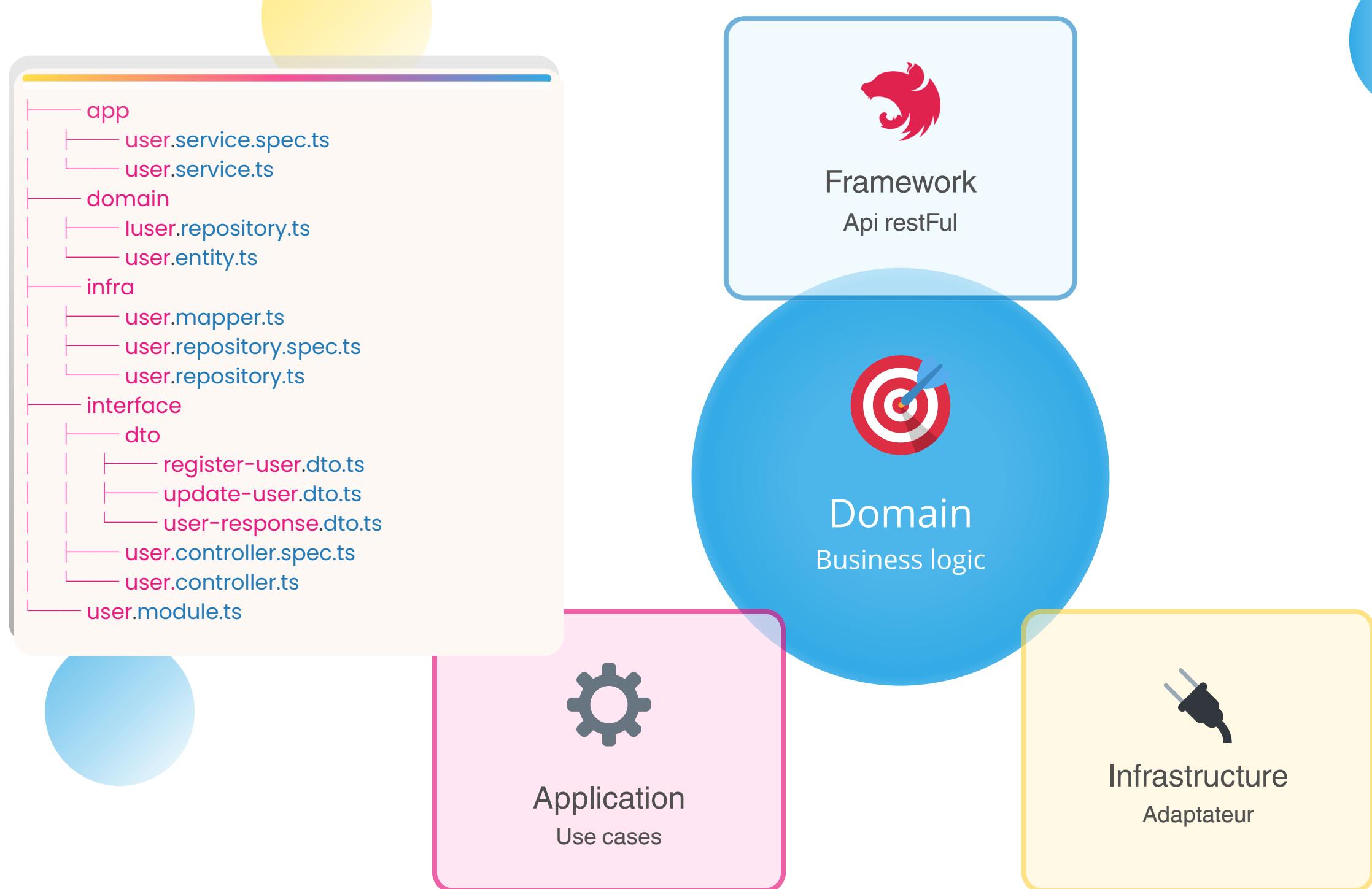
Excel



Miro

Hexagonal Architecture

A modular and maintainable architecture



Code Snippets

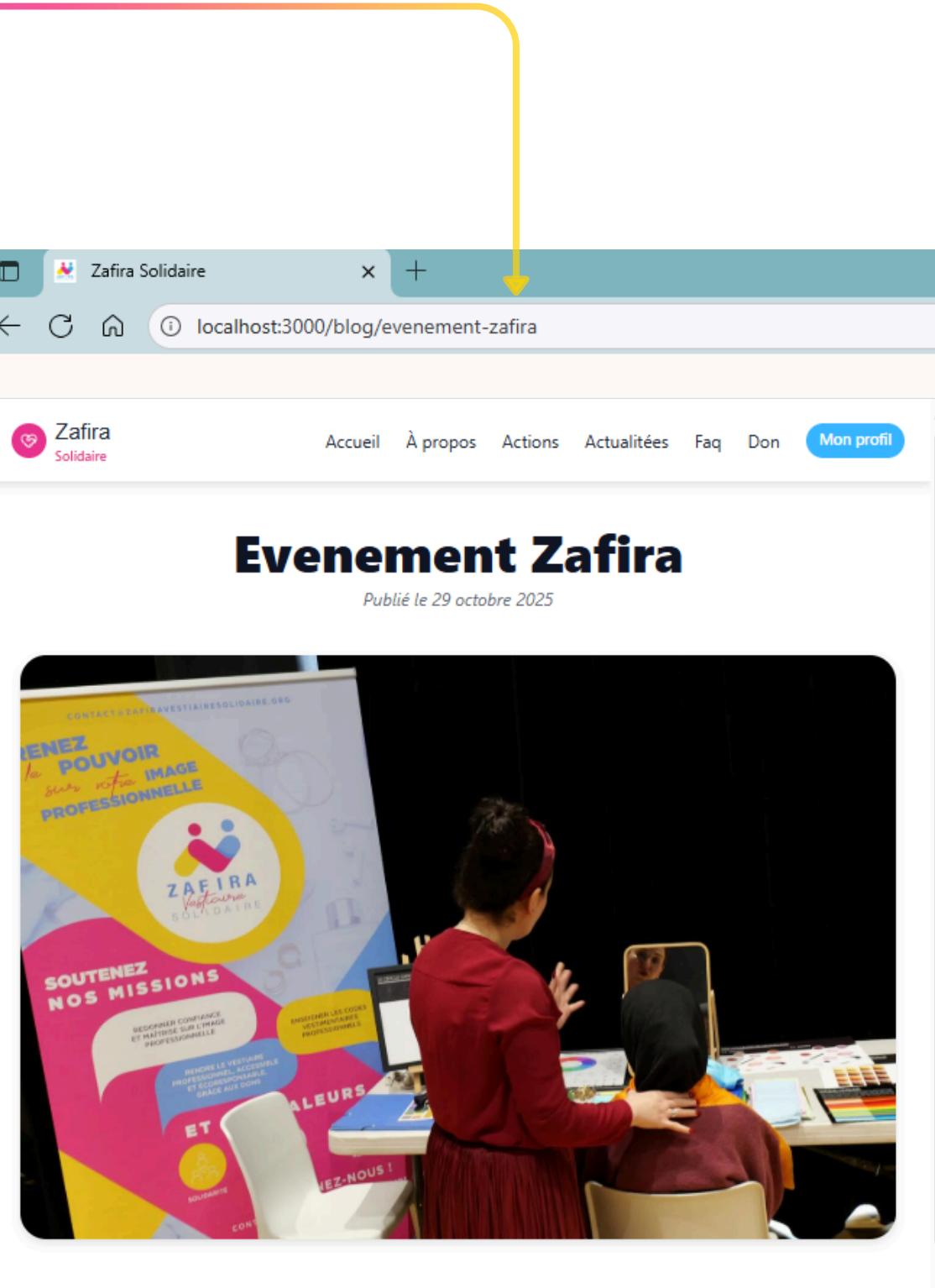
SSR rendering:

```
function getApiBase(ssr: boolean) {
  return ssr
    ? process.env.API_BASE_SSR
    : process.env.NEXT_PUBLIC_API_BASE;
}

export async function getBlogBySlug(
  slug: string,
  ssr = true
): Promise<BlogDto> {
  const res = await
    fetch(`${getApiBase(ssr)}/blogs/slug/${slug}`, {
      method: 'GET',
      credentials: ssr ? 'omit' : 'include',
    });

  if (!res.ok) throw new Error('Blog not found');

  return res.json();
}
```



```
@Get('slug/:slug')
@ApiOperation({ summary: 'Get a blog by slug (for SEO/SSR)' })
@ApiResponse({ status: 200, description: 'The blog object.' })
@ApiResponse({ status: 404, description: 'Blog not found.' })
async findBySlug(
  @Param('slug') slug: string,
): Promise<Record<string, unknown>> {
  const blog = await this.blogService.getBySlug(slug);
  return blog.toJSON();
}
```



Code Snippets

Analytics on admin dashboard(visitors counter):

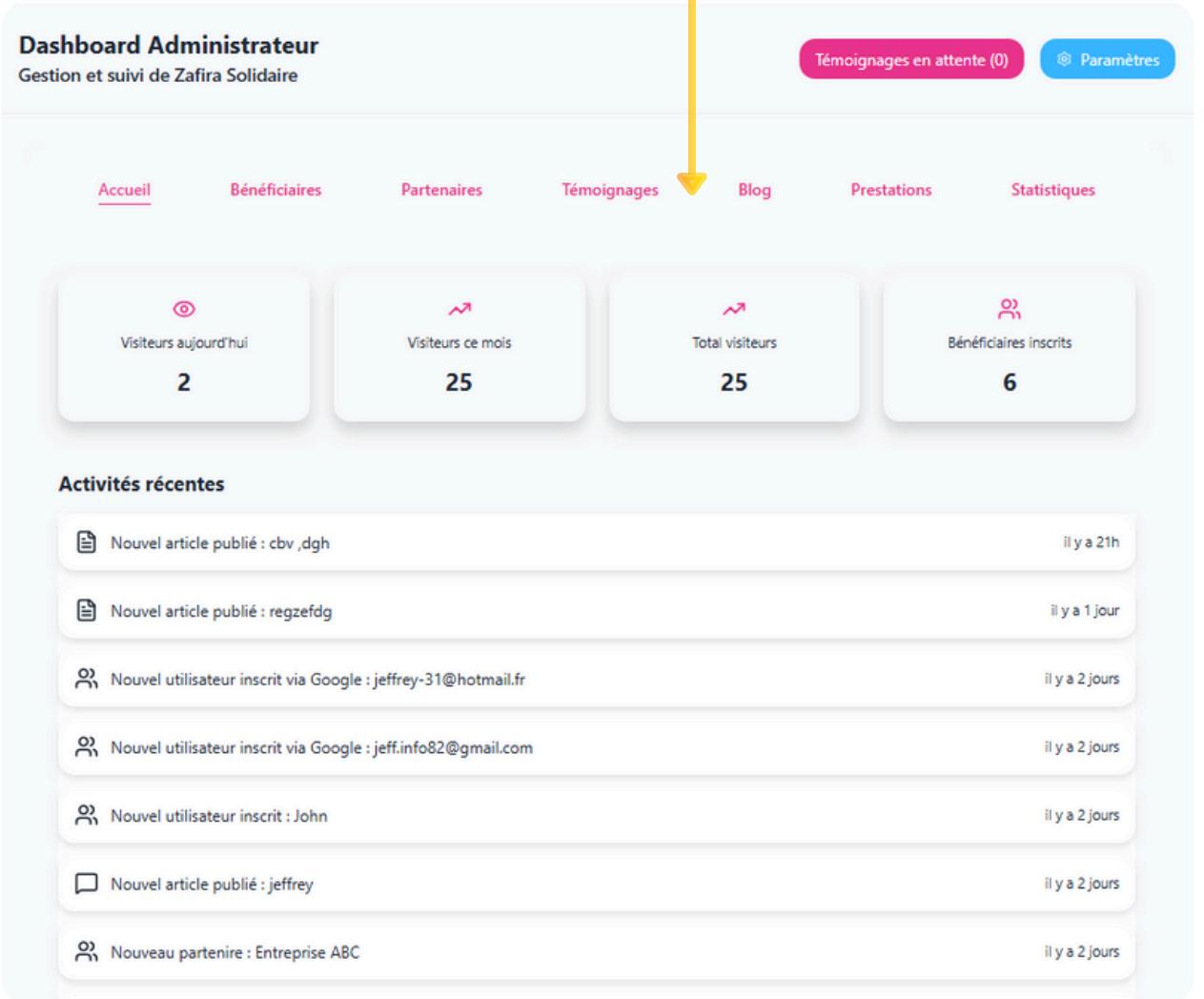
```
export default function RootLayout({children}: LayoutProps) {
  useEffect(() => {
    const visitedKey = 'lastVisit';
    const now = new Date();
    const lastVisitStr = localStorage.getItem(visitedKey);

    let shouldRecord = true;

    if (lastVisitStr) {
      const lastVisit = new Date(lastVisitStr);
      const diffMs = now.getTime() - lastVisit.getTime();
      const diffMinutes = diffMs / 1000 / 60;

      if (diffMinutes < 30) shouldRecord = false;
    }

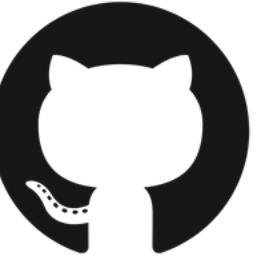
    if (shouldRecord) {
      recordVisit().catch((err) =>
        console.error('Erreur en enregistrant la visite', err)
      );
      localStorage.setItem(visitedKey, now.toISOString());
    }
  }, []);
}
```



```
@Post('hit')
@apiOperation({ summary: 'Record a new visit and update all stats' })
async hit() {
  const { daily, monthly, global } = await this.statsService.recordVisit();
  return {
    daily: StatsDtoMapper.toDailyDto(daily),
    monthly: StatsDtoMapper.toMonthlyDto(monthly),
    global: StatsDtoMapper.toStatsDto(global),
  };
}
```

GitHub flow

How to use GitHub branches



1.Create an Issue

Title with a descriptive prefix of the change.

Example:

Feat: Manual stats
Implementation

Fix: Fix bugs on user
services

2.Create a local branch

Dedicated branch per issue

Example:

```
git checkout -b 12-fix-login
```

3.Develop & Commit

Commit with reference to the issue:

Example:

```
git commit -m  
"(close #12): corrected  
login form"
```

Push & Pull Request

Push & open a PR to Dev

→ Review → Merge in Dev

→ Stable Dev → Merge in Main

```
git push origin fix-  
login/#12
```

Clear traceability

Organized development

Controlled integration



Project management

life cycle of project

Zafira Solidaire

Zafira Manager: Fariza Souilah

Project start date :

[18/08/2025](#)

Project completion date :

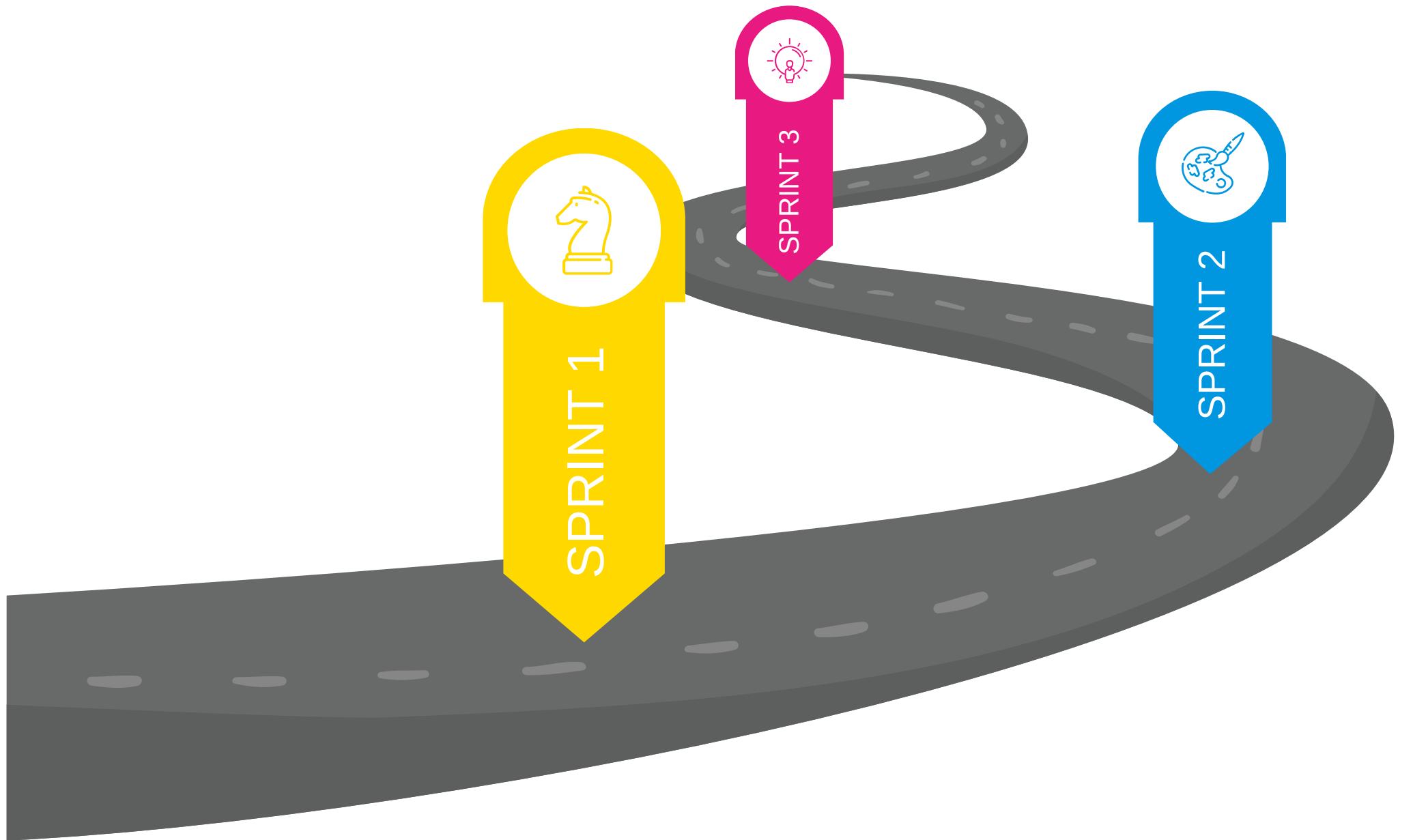
[14/11/2025](#)

Description of the stages	Category	Attributed to	Progression	Start	Days
Team formation Idea development	Medium risk	Jeff & Ingrid	100%	18/08/2025	12
Project Charter Development	Medium risk	Jeff & Ingrid	100%	01/09/2025	12
Technical Documentation	Medium risk	Jeff & Ingrid	100%	15/09/2025	12
MVP Development and Execution	High risk	Jeff & Ingrid	100%	29/09/2025	26
Project Closure	Medium risk	Jeff & Ingrid	100%	27/10/2025	12
Landing Page	Medium risk	Jeff & Ingrid	100%	27/10/2025	12



Timeline

A timeline to code



Backend Setup/Dev

2 WEEKS

- Initialize the backend architecture using Hexagonal pattern
- Develop and test modules

Frontend Setup/Dev

1 WEEK

- Initialize Next.js 15 frontend
- Develop component and pages

Statistics Modules UI/UX Enhancements

1 WEEK

- Add a statistics module to the backend and integrate it into the admin dashboard.
- Improve overall UI/UX consistency
- Testing

Challenges

Technical and no technical challenges

|  **Technical challenges**

 **Hexagonal Architecture and configuration**

 **Authentification OAuth**

 **Dashboard Analytics**

 **Responsive Design**

|  **No Technical challenges**

 **Time Management**

 **Team Coordination**

 **Learning New Technologies**

 **Balance with Moscow Method**

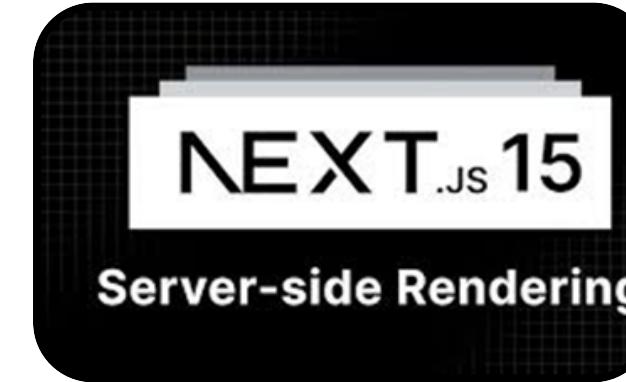
Lessons learned

Technologies and soft skills learned

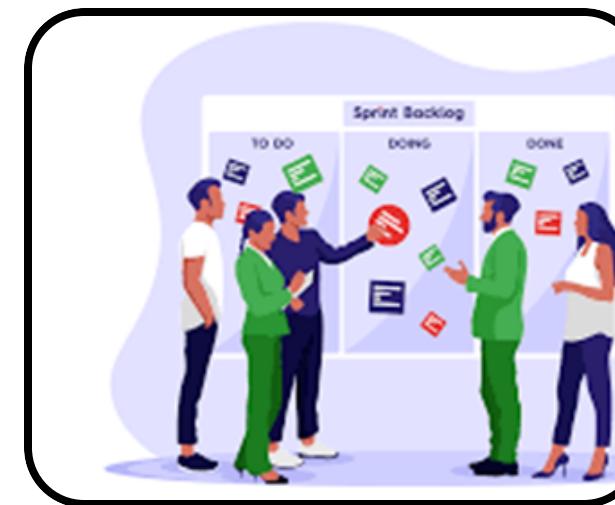
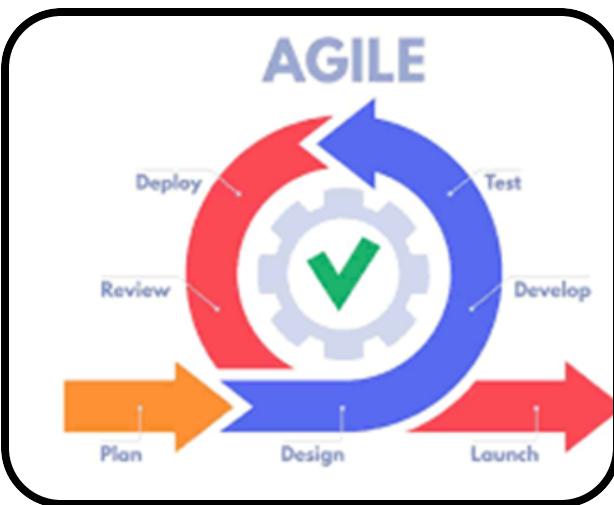
Backend



Frontend

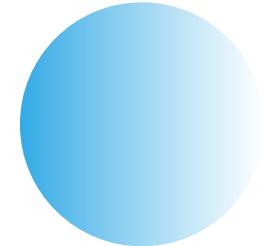


Soft Skills

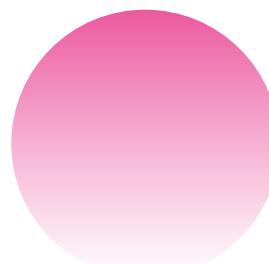


Next steps

An evolution of the website



- **Access to the Founder's Professional Catalogue**
- **Community Club Space**
- **HelloAsso API Integration**
- **Volunteer Management System**



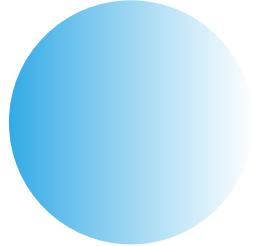
Conclusion



To conclude...



Thank you for listening



Have you got any questions?

