

Fredhel KISSIE

Software engineer and Twitch streamer

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portfolio : <https://fredkiss.dev/en>

Github : <https://github.com/Fredkiss3>

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SKILLS

- Web development with JavaScript, ReactJs, Docker, SQL, Python, Django
- ReactJs with TypeScript. and Mobile app development with React Native and Flutter

EDUCATION

- Master Web & Data Architect at "école IPSSI" from 2021 to 2023.
- Bachelor's degree in Computerized Methods of Business Management (MIAGE) at the University of Rennes1, Graduated in 2021

SPOKEN LANGAGES

- French (native)
- English (B2 level)

PROFESSIONAL AND PERSONAL EXPERIENCE

Lead Developer, Personal Project ZaneOps | from February 2024 to Today

Link: github.com/zane-ops/zane-ops

I created ZaneOps, an open-source self-hosted platform as a service for deploying and managing apps, inspired by projects like [railway](#), [vercel](#), and [coolify](#). This project allow developers who wish to deploy their apps on their own servers to not manage the CI/CD and configuration of their apps manually.

On this project I am responsible of these tasks :

- Defining and designing the architecture of the platform as well as defining the direction of the project and the features to implement
- Implementing the backend and API of the project, using [temporal.io](#) for the background jobs
- Promoting the project on Twitter with the account [@zaneopsdev](#)
- Mentoring [Mocheriff](#), a junior dev who works on the front-end tasks

The project is made using Python and Django for the backend, [tested thoroughly](#) using integrations and unit tests where it mattered, with a documented openapi schema that is used to generate a typescript sdk and used by the frontend to make api requests, the frontend is made with vitejs and react.

Tech Stack : Python/Django, Temporal, Postgres, Docker, Vite, React and TailwindCSS

FullStack Developer, Personal Project Kisscam | From October 2021 to April 2022

Link: <https://github.com/fredkiss3/kisscam>

To diversify and animate my Twitch channel, I developed a podcast series and created a custom video call solution to support it. Here is what I did :

- Developed a custom video call solution using VueJS, WebRTC, to support a podcast series on my Twitch channel, created to diversify and animate my content.
- Designed and implemented features for seamless video calls with multiple hosts, ensuring stability for sessions exceeding 2 hours.
- Successfully hosted and streamed several [podcast episodes](#) on Twitch, leveraging the custom-built solution.
- Integrated a subscription model for other users using Stripe

Tech Stack : VueJS, NodeJS/Fastify, Socket.io, REDIS, Docker, Github Actions and Stripe

Frontend Developer, Internship and Apprenticeship monemprunt.com | from August 2021 to September 2023

Link: monemprunt.com

As a Frontend Developer at monemprunt, I had to work on several projects such as :

- Migrating [monemprunt.com](#) from Drupal to Gatsby and Strapi, and later deploying it on Google Cloud Platform
- Implementing a design system and component library for monemprunt which we reused on a many projects. Demo at <https://mec-design-system.netlify.app/>
- I was also made in charge to create a monorepo where we put all of our frontend websites and apps
- Developing new mortgage simulators as widgets for partners' websites to estimate monthly real estate mortgages, and if they need more info redirect to monemprunt.com. Demo : <https://wai-mec-demo.netlify.app/>
- Integrating various websites, including [pro.monemprunt.com](#), a website for presenting all the services of monemprunt to their partners, presented at the "RENT", a real estate exhibition in Paris on Oct 20-21, 2021.

Tech Stack : GatsbyJS, Typescript, TailwindCSS, Strapi, Gitlab CI and Google Cloud Platform

Frontend Developer, Freelance contract and Full Time Job Modular Cloud | From September 2023 to May 2024

Link: explorer.modular.cloud

I was hired as a Frontend for ModularCloud as a freelance contractor first in September 2023 and then later as a full time developer starting november 2023. They make Open Source devtools for developers who work with blockchains, the main product I worked on is a block explorer which allows users to inspect the data stored in the blockchains of their choices. my tasks were :

- The migration of our project from the old design to a new one, with the help of a designer to go with a new design system
- Worked on implementing a port of the app to Electron to distribute the app so that developers could run a local version of the app
- Worked on improving the code structure of the app, alongside implementing and fixing performance issues as the app grew in features

Tech Stack : React, Next.js, Vercel, Postgres and Github Actions

FullStack Developer, Personal Project gh-next | from June 2023 to February 2024

Link: gh.fredkiss.dev

In this project, I aimed to recreate GitHub's UI and some core functionality from scratch using Next.js, tackling several key challenges along the way:

- Implemented the issue search page feature from scratch from the database design to the UI, reverse-engineering the backend structure to mirror GitHub's functionality.
- Enhanced the UI by designing a more effective keyword highlighting system in the search input.
- Developed custom authentication from scratch using session management, following OWASP security guidelines. you can find the Session class I implemented here.

Tech Stack : Nextjs, Typescript, TailwindCSS, postgresSQL, REDIS, Docker, Github Actions

FullStack Developer, Personal Project Thullo | From October 2021 to April 2022

Link: thullo.fredkiss.dev

As a challenge to hone my skills and to learn, I wanted to implement an application from scratch using nodejs and typescript for the API and React on the frontend by myself. I choose a project that would require me to build both a backend and frontend on devchallenges.io and set out to implement these features :

- Login with your socials (Github, Google)
- create projects ("boards")
- define tasks ("cards") and organize them in a list
- Invite members and assign them tasks
- Change the status of tasks (e.g.: to do, in progress, completed) and add labels to these tasks.

This project was done with a backend in ExpressJS using a Domain Driven Design approach, fully tested and a frontend in React using vitejs and React Query, both deployed to a VPS via Github Actions.

Tech Stack : React, NodeJS/ExpressJS, MongoDB, Sass, Docker and Github Actions

Frontend Developer, OSS Project QVGDS | August 2022

Link : <https://github.com/d34fmute/qvgds/pulls?q=is%3Apr+author%3AFredkiss3+is%3Aclosed>

The streamer [silvereled](#) organised a charity event in December 2022 bringing together several streamers in the programming sphere of twitch for a 48H live-streaming marathon, called the dev-event, a nod to the zevent organised by twitch streamer Zerator. As part of this event, I participated in an open-source project to run the event: "WHO WANTS TO WIN SHITCOINS?" a nod to the tv game Who Wants to Be a Millionaire ? but whose reward is a virtual currency called sh*tcoin.

I participated to the integration of the components in the figma mockup, in VueJS. This was my first open source contribution and to see the project being used live for a noble cause is a pride of mine.

Tech Stack : VueJS, PHP/Laravel