Fredhel KISSIE

Full-Stack Developer & DevOps

email: **hello@fredkiss.dev**
portfolio: **https://fredkiss.dev**
Github: **https://github.com/Fredkiss3**

SKILLS

Frontend Development:
JavaScript, TypeScript, React.js, Next.js, Gatsby.js, React Native, Flutter, TailwindCSS, AngularJS

Backend Development:
Python, Django, Node.js, PostgreSQL, SQLite, API Development, OpenAPI

DevOps & Infrastructure:
Docker, Docker Swarm, AWS ECS, Scaleway, Google Cloud Platform, Pulumi, Railway.app, Vercel, SST.dev

Tools & Technologies:
Temporal.io, Centrifugo, Grafana/k6, Supabase, Strapi, Inngest, Git, CI/CD, Electron

Databases: PostgreSQL, SQLite

EDUCATION

Master Web & Data Architect
Ecole IPSSI
2021 - 2023

Bachelor's degree in Computerized Methods of Business Management (MIAGE)
University of Rennes1
Graduated in 2021

SPOKEN LANGUAGES

- **French (native)**
- **English (B2 level)**

PROFESSIONAL EXPERIENCE

Lead Full-Stack Developer and DevOps (Open Source) | ZaneOps
February 2024 - Present

Link: zaneops.dev

Built ZaneOps, an open-source self-hosted PaaS inspired by Railway, Vercel, and Coolify. It simplifies app deployment and CI/CD on personal servers. The project gained over **900 GitHub stars** and **100+ users**.

Key responsibilities include:
- Defining and designing the architecture of the platform as well as defining the direction of the project and the features to implement
- Built robust backend API using Python/Django with comprehensive test coverage through TDD methodology, with an OpenAPI documentation
- Integrated Temporal.io for reliable background job processing
- Mentoring a junior developer on frontend development tasks and best practices

Tech Stack : Python/Django, Temporal.io, Postgres, Docker swarm, TypeScript, Vite, React, TailwindCSS

Full-Stack developer (Freelance) | French Flair Agency
April - June 2025

Link: frenchflair.pro

I was engaged as a freelance professional by French Flair, a digital consultancy agency that works on software solutions aimed at promoting diversity and inclusion, with clients like **ACTION**, **THOM group**, **Electro Depot**, etc.

Key responsibilities included:
- Working on the frontend of the main application One Pill A Day, a quiz game like duolinguo, aimed at educating companies about accessibility and diversity
- Adapting the app visual image and content for new companies, with THOM as one of the first clients at thom.1pad.fr

Tech Stack: Next.js , Supabase , TailwindCSS , PostgresSQL , SST.dev

Backend Developer and Devops (Freelance) | Sparkup
October 2024 - January 2025

Link: sparkup.app

I worked at Sparkup, a streaming platform for large-scale events like conferences and concerts. I contributed to The Great Dictation for the Climate, a live broadcast with **10,000+ viewers**, featuring real-time streaming, emoji reactions, a webcam wall, and live comments. Sparkup's clients include **Decathlon**, **Nestlé,** and **L'Oréal**.

My key responsibilities included:
- Migrating the infrastructure from AWS ECS to Scaleway bare metal servers to optimize server costs.
- Implementing an on-demand provisioning and decommissioning system for servers during live sessions using Temporal.io and Pulumi, tailored to the new Scaleway setup.
- Conducting stress tests with Grafana/k6 to ensure the new servers could efficiently scale with fluctuating traffic.
- Transitioning of the existing custom Python WebSocket server to a more scalable solution using Centrifugo, an open source and distributed realtime messaging server

Tech Stack : Python/Django, Temporal.io, Scaleway, AWS ECS, Pulumi, Grafana, Centrifugo, AngularJS

Full-Stack Developper (Freelance) | Procurato
July 2024

Link: search.procurato.de

I was approached as Freelance by Richard Poelderl to work on Procurato, a Next.js app designed to provide a better UI for querying the German company database handelsregister.de and retrieving company administrative information.

Key responsibilities included:
- Migrating the app's data-fetching process to Inngest, a background job service, to improve performance, as the app previously fetched documents directly on request, leading to slow response times.
- Implementing new features to query and download historical documents, including the list of shareholders and documents related to various fundraising stages.

Tech Stack : Next.js , TailwindCSS , Vercel , PostgresSQL , Railway, Inngest (background jobs)

Full-Stack developer | Modular Cloud
September 2023 - May 2024

Link: github.com/modularcloud/explorer

I joined Modular Cloud in September 2023 as a full-stack developer, first as a contractor, then full-time. I worked on an open-source block explorer for blockchain data.

My key responsibilities included:
- Migrating the project from its old design to a new design system in collaboration with a designer
- Integrating the Figma design using a pixel-perfect approach
- Implementing an Electron port for a local developer-friendly version of the app
- Improving the codebase and resolving performance issues as new features were added

Tech Stack : Next.js, TailwindCSS, Vercel, Electron, SQLite, AWS ECS, PostgresSQL

Frontend Developper (Freelance) | ProPR consulting
August 2022

Link: proprconsulting.com

Delivered complete landing page integration from Figma designs to production deployment.

Key responsibilities included:

- Integrating a 3-page responsive website using Next.js and TailwindCSS
- Deploying the site to Vercel

Tech Stack : Next.js , TailwindCSS , Vercel

Frontend Developper | Monemprunt.com
August 2021 - September 2023

Link: monemprunt.com

Key responsibilities included:
- 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 link
- 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 link
- 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