

## **BENJAMIN PREISS**

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Fluent in English, German  
(and Swissgerman)

## **profile.**

In the industry since 5 years, I have published multiple typescript libraries on npm, worked together with now deceased svelte legend Ivan Hofer and started several SAAS ventures.

Self employed and self-taught since day one. Customer oriented communication and project management skills acquired on many freelance and agency projects.

Ability to innovate products by bridging cutting-edge technology and best practices in software. Creative, perseverant, solution oriented thinker who thrives in complexity and is always up to date with the newest technologies in web2 and web3.

Visionary mind with an eye for detail. Especially interested in the intersection of privacy, sustainability and usability in technology. Web3 enthusiast.

Allrounder skill-set paired with deep technological knowledge.

Strong sense for design and aesthetics. Skilled in a variety of design tools both 2D and 3D.

## **selected freelance work.**

### **filecoin saturn** Q2+3 2022

nextjs + tailwind + threejs

Design and implement a website for Filecoin Saturn, a Protocol Labs dCDN project.

- Three.js animation on hero section

[figma](#)   [code & screenrecordings](#)

### **inlang** Q1+2 2023

Build an AST-transform based bundler plugin under the lead of deceased svelte legend Ivan Hofer as the foundation for inlangs sveltekit i18n plugin

### **montee** Q3+4 2023

sveltekit + tailwind + supabase + pnpm  
monorepo + vitest + reactquery

Implement a SAAS product for germany based company montee

- Auth0 authentication  
- Supabase backend  
- Tanstack/reactquery

<https://www.montee.app/>   [code](#)

### **Lilypad.ai** Q2 2024

nextjs + tailwind + protomaps + mapboxgl  
+ untitled ui

Design and implement multiple statistic dashboards for lilypad.ai, a decentralized on-chain GPU compute marketplace

- Performant, typesafe querying of smart contracts with viem  
- Lowcost, opensource maps with protomaps and mapboxgl  
- Leverage self-developed component library framework for untitled ui

[link to figma](#)   [code & screenrecordings](#)

### **Akave cloud** Q2 2025

wireframes in excalidraw + project  
management in miro

Ideate product and wireframes for the new Akave S3 Cloud platform. Project management for a team of 5 people. Extract minimum functional and valuable feature set for a fast release.

[wireframes & explanatory screen recordings](#)

### **Ethereum block explorer** Q2 2025

next.js + pnpm + tailwindcss + moralis +  
viem + recharts + react query + luxon +  
vitest

Personal challenge: ideate, wireframe, design and implement Ethereum block explorer in 4 days time:

- Responsive, custom styled charts  
- Fetch chain data from dune analytics, moralis and drpc  
- Display transactions within blocks in main explorer

[github \(and video demo\)](#)

## selected ventures 1 / 2.

### transfersafe 2022

sveltekit + privy.io + tailwind + supabase

An end-to-end encrypted alternative SAAS offering to wetransfer.

- IPFS based file transfers (later switched to peerbit)
- Privy.io authentication
- openpgp.js post quantum secure encryption

The project was discontinued due to concerns regarding custodial wallets and IPFS JS implementation changes. Recoverability can be guaranteed today with solutions like rarimo and/or lit protocol.

[link to figma](#)     [code](#)

### putain.wtf 2022

supabase + tailwind css + foundation.app  
+ nextjs + endaoment.org + medusajs

A mixed media (NFT and physical art) auctioning platform to raise funds for the people of Ukraine. Design and implementation.

- transparent fundraising with endaoment.org

The platform was discontinued shortly before the first auction due to the dismemberment of the team

[link to figma](#)     [code & screenrecordings](#)

### component library framework 2023

typescript + vitest + tailwind + rollup

A framework for writing component libraries at the example of untitled UI.

- easy figma to code with tailwind plugin
- Styles generate based on used component props for certain viewports with AST transforms
- planned: shadcn-style, framework agnostic (vanilla JS) component generation for in-depth component customization
- planned: AST based bundler plugin to auto-generate missing component variants

This was used on several projects but v1 has it's problems. Turns out that the AST transforms are too work intensive on the bundler and slow down the development process. A shadcn similar approach will eliminate these problems

### frontline agency website 2024

sveltekit + felte + yup + tailwindcss +  
openpgp + cal.com + pnpm + infisical +  
paraglide + quad9

The marketing website for the cybersecurity agency named frontline that I cofounded. Frontline offered consultation and implementation focussed on password management, email security and backup strategies, complemented by a self-developed Dmarcian alternative named Mailguard.

- Cal.com integration to book appointments
- End-to-end encrypted email contact form
- Thorough usage of self-developed untitled ui component library
- DMARC domain checker with client side quad9 queries

[link to figma](#)     [code & screenrecordings](#)

### mailguard 2024

supabase + timescale db + sveltekit +  
auth0 + tailwind + xstate + coolify for  
hosting + untitled ui design

A SAAS product to help companies manage email deliverability and protect themselves against spoofing.

- RFC conformant DMARC, SPF and DKIM analysis
- Automatic email parsing and injection into database
- Postgres materialized views on timeseries data to ensure constant query time
- Thorough testing with vitest and pgtap (postgres tests!)

The product v1 is ready with some minor things missing like notifications.

## selected ventures 2 / 2.

### allsyn-uptime 2025

aleo chain + checker network + bun.sh + sveltekit + inlang + zod + sveltekit-superforms + irys chain + tailwindcss + bits-ui + pnpm

Allsyn (swedish term for "all sight") is an unstoppable web3 uptime monitoring tool, with the following properties:

- Hackresistant, private zk onchain registry of monitoring targets
- Decentralized uptime checks
- Crypto payment / subscription system behind the scenes through NFT payment receipts
- Painless onramp from fiat
- Trustless / crypto incentivized alerting to mobile app
- Hack-resistant wallet integration (?)

MVP won a prize at the 2025 encode club AI blueprints hackathon. Plans to migrate to hyli chain.

#### code & demo

### backups-unstoppable 2025

docker + ansible + rustic + ramo.computer

A hack-resistant pull-only backup service for companies based on filecoin. "We collect your data from you and store them". Contract only cancellable by personal identification

- low cost, verifiable deep archive storage on filecoin

#### github

### amber cloud (WIP) 2025

docker + mysql + sia + memcached + zenko scality + elysiajs + sveltekit + better-auth + debezium + apache kafka

The next iteration of backups-unstoppable. A hack-resistant, S3 compatible proxy layer for crypto storage networks, starting with sia.

- Route writes through amber cloud, blocking harmful actions (delete + update)
- Offer S3 API that is versioned and object-locked with adaptable lifecycle rules for deletes
- Strong authentication through security keys and passkeys
- Always retrievable data, even if amber cloud is down
- Highly scalable architecture with sharded MySQL databases and memcached auth API calls

Currently in whitepaper state, ready for implementation

#### github

### git-vault 2025

bash + docker(-compose)

A secrets management tool for Git repositories that allows users to store secret folders and their contents in Git safely, regardless of their size.

- One-liner installation with automatic Git integration through pre-commit hooks
- Post-quantum secure encryption via Botan cryptography library
- Intelligent caching system for 90%+ faster unlock operations
- Bash-native implementation with cross-platform compatibility (Linux, macOS, BSD)
- Comprehensive Docker testing environment for validation

#### code

## education.

**computer science**  
2016 - 2018

Studied computer science at **ETH Zurich** for 4 Semesters. No degree.

**mechanical engineering**  
2014 - 2016

Studied mechanical engineering at **ETH Zurich** for 4 Semesters. No degree.

**high school diploma**  
2005 - 2013

Successfully completed secondary education, earning an Abitur (German high school diploma) from **Gymnasium Christianeum** in Hamburg, Germany.

## skills.

### languages

- sql
- javascript
- typescript
- php
- java (from university)
- c++ (from university)
- bash
- glsl (shader programming)

### frontend

- typescript
- tailwind css
- nextjs
- sveltekit
- threejs
- vitest
- protomaps + mapboxgl
- pnpm monorepos
- d3
- tanstack react query
- xstate

### decentralized tech

- viem.sh
- ipfs
- peerbit
- gun.js

### backend

- auth0
- privy.io
- supabase
- infisical secrets vault
- payload CMS
- strapi
- directus

### design:

- blender
- figma
- adobe creative suite
- cad software

### gitops:

- git

### in-depth knowledge about bundlers:

- vite
- rollup
- webpack
- ast transforms
- jiti

### linux, docker, k8s and co:

- k8s
- docker
- talos
- kind
- openebs
- traefik
- linux bash scripting
- tilt
- helm
- helmfile

### deep knowledge on encryption algorithms and the privacy landscape:

- botan
- openpgp.js
- zama.ai
- lit protocol

### infrastructure management:

- imapsync
- coolify
- terraform
- ansible
- zfs

## additional links.

### me:

- [benpreiss.com](https://benpreiss.com) (website)
- [github](https://github.com)
- [linktree](https://linktree.com)

### frontline agency:

- [github](https://github.com)