



Luís Alves

/lu'iz 'alviʃ/

senior-frontend-engineer

@ Viana do Castelo, Portugal (looking for relocation)

- hello@luisdralves.dev
- linkedin.com/in/luisdralves
- github.com/luisdralves
- luisdralves.dev

experience

Untile ~until.pt @ Remote (Viana do Castelo, Portugal)

squad-tech-lead 2026 - present

- Lead cross-functional squad (PM, PO, designers, frontend devs) across multiple projects, balancing technical guidance with hands-on implementation
- Advise business and sales teams on prospective engagements (internal and client-facing): technical feasibility, architecture and stack recommendations, and dev effort estimates
- Identify and drive technical improvements on existing projects outside planned roadmap work: performance migrations, refactors, quality work
- Integrate AI tooling into cross-functional workflows: code review, project documentation, and proposal analysis, reducing context-switch mental load

frontend-engineer 2020 - present

- Contributed to 35+ client and internal projects: products, webapps, and marketing websites across web and mobile
- Led the Uphold website (1M+ yearly users): Next.js with custom server (legacy proxying, CDN/cache invalidation, pod coordination, locale routing), Directus CMS, GraphQL
- Designed a multi-tenant Directus CMS instance serving multiple websites with custom permissions and per domain/locale configuration
- Built React Native EV charging app (iOS/Android) from ground up: NFC/QR card scanning, WiFi charger connectivity, real-time charging status with polling, native modules
- Shaped company-wide tooling: ESLint/Prettier/Biome configs, internal changelog generator, shared React hooks library
- Contributed to frontend hiring and onboarding: co-designed technical code challenge, conducted interviews, screened CVs, and mentored junior developers
- Embedded AI into day-to-day development across coding, refactoring, and codebase analysis

Uphold ~uphold.com @ Remote (embedded via Untile)

frontend-engineer 2022 - 2023

- Migrated wallet codebase (web, mobile, GraphQL) from Lerna to Yarn v3 workspaces with Turborepo, resolving React Native dependency hoisting issues
- Worked on the Wallet mobile app and the Partner Portal webapp

technical-skills

languages	[typescript] [javascript] [html5] [css3] [sql] [python] [rust]	cms	[directus] [payload] [prismic]
frontend	[react] [next.js] [react-native] [svelte]	testing-and-quality	[vitest] [cypress] [storybook] [biome] [eslint] [prettier]
state-and-data	[tanstack-query] [zustand] [tanstack-store] [trpc] [websockets-and-sses]	devops	[linux] [caddy] [nginx] [docker] [github-actions]
styling	[tailwind] [css-modules] [styled-components]	databases-and-orms	[postgresql] [redis] [sqlite] [drizzle] [prisma]
build-tools	[vite] [bun] [monorepo-workspaces]	visualization	[three.js] [r3f] [canvas-api] [motion (FKA Framer Motion)]
ai	[claude-code] [mcps] [cnn-classifiers] [embeddings-and-vector-search]		

education

Informatics and Computing Engineering @ Porto, Portugal

Engineering Faculty, University of Porto (FEUP) ~fe.up.pt 2014 - 2019

Rigorous program balancing theoretical foundations with hands-on laboratory courses.

- key-concepts
- [computation-theory-and-automata] [algorithm-design-and-analysis] [discrete-mathematics-and-logic]
 - [computer-architecture] [operating-systems] [computer-networks] [distributed-systems]
 - [compilers-and-language-theory] [databases] [computer-graphics] [artificial-intelligence]

projects

clocks ~[clocks.luisdralves.dev](https://github.com/luisdralves/clocks)

[🔗 gitea.luisdralves.dev/luis/clocks](https://github.com/luisdralves/clocks)

[typescript] [canvas]

Creative timekeeping visualizations, like lemniscate, spiral, crowd simulation, and custom subdivision clocks

drosterizer ~[drosterizer.luisdralves.dev](https://github.com/luisdralves/drosterizer)

[🔗 gitea.luisdralves.dev/luis/drosterizer](https://github.com/luisdralves/drosterizer)

[react] [webgl] [glsl] [typescript]

Browser-based recursive Droste effect generator using custom GLSL shaders for GPU-accelerated log-polar coordinate transformation

coins ~[coins.luisdralves.dev](https://github.com/luisdralves/coins)

[🔗 gitea.luisdralves.dev/luis/coins](https://github.com/luisdralves/coins)

[react] [typescript] [three.js] [r3f] [sqlite]

Interactive 3D catalog of physical coin collection with realistic models, physics, filtering, and "coin hail" animation

fizalgo ~[fizalgo.luisdralves.dev](https://github.com/luisdralves/fizalgo)

[🔗 gitea.luisdralves.dev/luis/fizalgo](https://github.com/luisdralves/fizalgo)

[next.js] [typescript] [postgresql] [drizzle]

Gamified household chore tracker: log sessions to earn XP, rank tasks by urgency in a due queue, and chart XP over time

places-ive-been-in ~[places-ive-been-in.luisdralves.dev](https://github.com/luisdralves/places-ive-been-in)

[🔗 gitea.luisdralves.dev/luis/places-ive-been-in](https://github.com/luisdralves/places-ive-been-in)

[react] [mapbox] [bun] [typescript]

Interactive travel map with location tracking, image galleries, and timeline visualization

todo ~[todo3.luisdralves.dev](https://github.com/luisdralves/todo3)

[🔗 gitea.luisdralves.dev/luis/todo3](https://github.com/luisdralves/todo3)

[bun] [websockets] [typescript]

End-to-end type-safe todo app with optimistic updates and persistent sessions

system-monitor ~[sysmon.luisdralves.dev](https://github.com/luisdralves/sysmon)

[🔗 gitea.luisdralves.dev/luis/sysmon-web](https://github.com/luisdralves/sysmon)

[rust] [canvas-api] [websockets]

Real-time monitoring dashboard with Rust backend and custom canvas charts replacing Recharts for performance

homelab

[docker] [caddy] [wireguard] [zfs] [ubuntu (though on my laptop I use Arch BTW)]

Self-hosted infrastructure running 15+ services: Immich, Nextcloud, Location tracking (Dawarich/Reitti), Gitea, Jellyfin, *arr stack, custom applications, and others

volunteering

Associação Juvenil de Deão (AJD) ~ajdeao.pt

@Viana do Castelo, Portugal

president

present

- └ Preside over youth non-profit organization focused on volunteering and non-formal education
- └ Facilitate monthly meetings, coordinate decision-making, and mediate organizational conflicts
- └ Oversee volunteer activities and operational planning

summer-camp-monitor

2015 - 2019

- └ Supervised and led activities for youth summer camps
- └ Coordinated with team of local and international volunteers to deliver engaging educational programs

International Initiatives for Cooperation (IIC) ~iicbg.org

@Razlog, Bulgaria

european-solidarity-corps-volunteer

october 2019 - april 2020

Planned 10 months, cut short by COVID-19

- └ Delivered non-formal education programs to children in schools, orphanages, and adults with disabilities in care facilities
- └ Traveled to remote villages for regular and one-off educational events
- └ Coordinated scheduling for international volunteer team of ~10 members with rotating arrivals/departures

languages

portuguese: native english: fluent dutch: wip

interests

[foss] [self-hosting] [linux] [advent-of-code] [photography]
[urban-planning-and-transit] [board-games]
[hiking-and-cycling] [traveling]