Simon Duhem

Front-end Architect

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Profile

Front-end architect specializing in accessibility and Web Components, building a design system. I rely on web standards to create reusable interfaces that everyone can use.

Skills

- **Front-end**: HTML, CSS, Sass, BEM, JavaScript, TypeScript, Vue.js
- **Design system**: component architecture, Web Components, Shadow DOM, Stencil, design tokens, Storybook, Figma
- **Accessibility**: RGAA, WCAG 2.2, ARIA, audit
- **Testing**: Vitest, Jest, Playwright, axe-core
- **Tooling**: Node.js, Vite, ESLint, Stylelint, Prettier, pnpm monorepo, Changesets, Renovate, GitHub Actions, GitLab CI

Professional experience

MGDIS

Front-end Architect

May 2021 - present, Vannes (remote)

Design and evolve MGDIS's design system, a Web Components library, within the Core UI team.

Define the front-end architecture and best practices, for consistent, high-quality and accessible products.

Technologies: Web Components, Stencil, TypeScript, Storybook, RGAA

Lead Full Stack Developer

January 2021 - August 2021, Vannes

Led a team on full stack development projects.

Full Stack Developer

March 2019 - January 2021, Vannes

Developed and maintained full stack applications.

Deezer

Web Engineer (Studio)

September 2012 - March 2019, Paris

Integrated Deezer with IFTTT on my own initiative, leading every phase from the first contact with IFTTT through specifications and development to launch.

Built the application and voting platform for the Victoires de la Musique, the French music awards (pop, classical and jazz).

Built applications using the Deezer API: partner websites, Twitter bots, Facebook apps, widgets.

Web Developer (Advertising)

May 2012 - September 2012, Paris

Built branded pages for advertisers: Alfa Romeo, CNOSF, McDonald's, Renault, Roxy, Volkswagen…

French Navy

Analyst Developer, EMM/SIAG - GERHICO

November 2007 - April 2012

Analyzed, developed, deployed and maintained a mobile app for officers, part of the French Navy's HR system (RH@psodie).

Built applications for the HR departments: performance appraisals, promotions, career reviews, officers' transfer plans.

Analyst Developer, DCSSF

July 2005 - September 2007

Built intranet web applications: staff directory, resource booking (meeting rooms, laptops, vehicles), stock management for a supply store.

Education

Certificate in information systems design, analysis and programming

École supérieure et d'application des transmissions (ESAT), Rennes, September 2007 - November 2007

Technical aptitude certificate (BAT), information systems and telecommunications

École de Maistrance, 2004 - 2005

Two-year technical degree (BTS) in computing and networks for industry and technical services

Lycée Saint-Joseph, Lorient, 2002 - 2004

Languages

French (native), English (professional working proficiency)

Talks and articles

All in French.

- Article "Music Bridge", simon.duhem.fr (October 2026)
- Article "LSLT Pebble Watchface", simon.duhem.fr (December 2025)
- Article "Prendre en compte les Web Components dans vos scripts", 24 jours de web (December 2025)
- Talk "Les Web Components et l'accessibilité", Paris Web (September 2025)
- Article "Ajout de l'auto-complétion sur les Web Components avec Stencil", dev.to (March 2024)
- Article "Simplifier l'intégration des icônes depuis Figma : De la conception au design system", dev.to (February 2024)