

Julien Lange

Senior JavaScript Developer — Web Components · Design System · Fullstack

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SUMMARY

Senior JavaScript developer, École 42 graduate, with nearly 5 years as a freelance developer at Fnac Darty on high-traffic pages (100,000+ visits/day). I built and maintained internal NPM packages of Web Components used across multiple teams, contributed to a cloud Azure migration (server-side micro-frontends), and led the full redesign of SMILE — an internal CMS used by ~50 editors across 8 European markets. My background also covers full-stack development (Next.js e-commerce site with OAuth, occasional back-end work in C# / .NET), and I am looking to expand into fullstack missions with Node.js, Next.js or Python.

TECHNICAL SKILLS

Front-End : JavaScript ES6+, Web Components (Custom Elements natifs), HTML5, SCSS, Less, Liquid, CSHTML / Razor (.NET MVC)

Build & Tooling : Webpack 5, Babel, NPM (packages privés), ESLint, PostCSS

Frameworks : React (hands-on experience), Next.js (familiar environment)

Architecture : Server-side Micro-frontends (MFE), Design System (SCSS tokens, shared components)

Design : Figma

Back-end & Systems : Node.js (tooling + packages), C# / .NET (reading + integration), Python, C

Cloud & Infra : Azure (ACA, Cosmos DB, Kafka, Redis — vision fonctionnelle), VMware, Ansible

Monitoring : Datadog

Methods : Agile / Scrum, Git, Jira

Languages : French (native), English (professional)

EXPERIENCE

Fnac Darty

October 2021 – July 2026

Senior Front-End Developer — Freelance

Ivry-sur-Seine, Greater Paris Area

Fnac.com, France's leading e-commerce site. Mission across the Fnac Commerce and Navigation teams, covering the site's highest-traffic pages: product pages, homepage, category pages, search results, listing pages. ~100,000 views/day on search results, ~50,000 on the homepage. On-prem stack: ASP.NET / Razor + JS ES6+ / Web Components, with progressive migration to an Azure cloud architecture (server-side MFE). Teams of 2 to 5 developers, Tech Lead = .NET backend.

Internal Web Components Library

- Built and maintained an internal NPM library of 20 to 30 UI components in native Custom Elements, consumed by 3 front-end teams
- Migrated the component architecture from a proprietary system to the native Web Components spec
- Created shared packages: SCSS design tokens, common ESLint/Babel configurations
- Foundation of the Design System, being progressively rolled out across all cloud teams

Cloud Architecture Migration (M2C — Move to Cloud)

- Migrated Home / Category page layers from on-prem architecture to the server-side MFE framework (UI fragments, Razor tag helpers, Kafka / Cosmos DB pipeline)
- Migrated Liquid templates to CSHTML within the micro-frontends architecture
- Migrated CSS from Less to SCSS across the full scope

SMILE Redesign (Internal CMS)

- Independently designed Figma mockups (no UX/UI budget available), reworked navigation into a GitHub-inspired folder/page system
- Complete technical redesign of the tool's front end
- Deployed to production, used by ~50 content editors across 8 markets: FR, BE-FR, BE-NL, CH-FR, CH-DE, ES, PT, Fnac Pro

KAMINO — On-Site Advertising Integration

- Integrated 7 ad formats (Billboard Video/Image, Impulse Video/Display/Product, Squad Video/Image, Native) replacing delegation to an external partner

- Implemented full mobile and desktop analytics tracking for each format

ARROW — Marketplace Seller Information

- Front-end integration of seller information across all surfaces: product page, mobile/desktop listing views, mini product card, buybox
- Shipped by Fnac / Shipped by our partner sellers — labelling depending on offer type, with associated tracking

Other Notable Projects

EasyUpgrade (trade-in financing) · DSA / Digital Services Act compliance (sorting cookies, marketplace offer popins) · WebPerf (lazy loading, preload) · Technical SEO (link obfuscation, non-indexable URLs) · Product page redesign 2-column → 3-column · Mobile/desktop analytics tracking

42 Lisboa

September 2020 – July 2021

System Engineer & Teaching Assistant

Lisbon, Portugal

Hired as an alumni to support the opening of the École 42 campus in Lisbon.

- Set up the school's infrastructure using VMware and Ansible (services: exams, automated grading system, LDAP sessions on iMacs)
- Maintained services and resolved incidents on student sessions
- Teaching role during 'piscines' (intensive selection bootcamps): code review of C projects (weekend projects by candidates)
- Built a Next.js e-commerce site for school merchandise: product catalogue, OAuth integration via the official 42 API, order management
- Full English-language working environment

X-FAB

March 2020 – September 2020

C Developer — Industrial Systems

Ormeau, Greater Paris Area

Developed a C program to communicate with industrial machines via the SECS/GEM standard (semiconductor industry protocol), enabling automated machine control and data retrieval.

Société Générale

April 2018 – November 2018

JS / Python Developer — Innovation Lab

Paris, Greater Paris Area

- Developed the web interface and use cases for the Pepper robot (Softbank Robotics): successfully deployed to production
- Developed microservices for the Cognitive Services project (aggregation of recognition services)
- Technical watch and code reviews for the team

Stack: JavaScript ES6, Python, React, Redux, Webpack, Docker, Swagger

EDUCATION

École 42 (Paris)

2016 – 2019

Computer programming — Project-based and peer learning curriculum. Projects in C, C++, Shell scripting, algorithms, Unix systems, and networking.

Lycée Rosa Parks

2016

French High School Diploma (Baccalauréat STI2D) — Science, Technology, Industry & Sustainable Development

CONTINUING EDUCATION & CERTIFICATIONS

Web Accessibility (WCAG/RGAA) (March 2025) — front-end accessibility standards (Fnac Darty internal training)

AI & GitHub Copilot (June 2025) — generative AI and AI-assisted development tools (Fnac Darty internal training)

Microsoft Azure Cloud — Azure fundamentals, M2C cloud migration (Fnac Darty internal training)

Design Thinker — Design Thinking certification