

JULIEN LALAUT

Senior Lead Javascript Developer

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*Fullstack JavaScript Specialist, with significant experience in **managing international teams**, capable of handling every aspect of a project, from **initial conception** to **architectural design** and **delivery**. I also have a strong sensitivity to **design and UI/UX**, enriched by my background in graphic design. My expertise enables me to both create **innovative prototypes** and integrate into **existing projects**, while staying up-to-date with the latest technologies to drive continuous innovation*

PROFILE

- **Employee or Freelancer**
- Remote work or on-site (Bordeaux, France)
- French (native), English (conversational), Spanish (basic knowledge)
- 20+ years of experience
- Industry, medical, luxury, banking, energy, leisure, tourism, public sector, transport, etc.
- Web app, web sites, e-commerce, ERP, video games, services, serious games, interactive terminals, events, e-learning, etc.
- Bouygues, Photobox, AXA, Total, SFR, EDF, Rent a Car, Sephora, Banque Postale, Citroën, Natixis, SNCF, etc.

SKILLS

Languages	JavaScript, TypeScript, HTML5, CSS3, SASS, Regex, SVG, SQL, ...
Libraries	Vue.js, ReactJS, LiteElement, Node.js, Express, Vite, Three.js, Cypress, Firebase, IndexedDB, ArangoDB, MySQL, Module Federation, Konva, PixiJS, Emotion, Styled components, ...
Applications	VSCode, Adobe Illustrator, Photoshop, Blender, Sketchup, Google workspace, Jira, Github, ...
Methodologies	Agile, Scrum, TDD, Clean code

EXPERIENCES

2023-2024 Architect, Tech Lead, TS Developer, UX Designer

KASHIKO (Industry)

Complete overhaul of the front architecture of an application for ordering industrial products in the building sector (railings, balconies, terraces, etc.).

Introduction of the Agile method within the team via SCRUM.

Creation of a 2D SVG/Canvas editor allowing keyboard and/or mouse entry of architectural plans. Significant work on ergonomics and performance to ensure execution efficiency.

Creation of a 3D product order preview viewer offering several rendering modes (sketch rendering, ray tracing) as well as animated assembly visualization functionalities.

Implementation of Micro Front End using module federation technology.

- Remote, team of 5 people.
- Technologies: ReactJS, Vue 3, Pinia, Vue Router, TypeScript, i18n, Three.js, Konva.js, MFE Module Federation.

2022-2023 Architect, TS Developer

APGAR GROUP (IT)

Participated in the creation of a data access portal, with a focus on overlaying Tibco EBX applications for data asset management.

The project included the design of a graphical visualization tool (lineage) and a navigation tool (explorer), facilitating introspection and data analysis. The objective was to provide an effective user interface for managing large volumes of complex data.

- Remote, team of 3 people.
- Technologies : Vue 3, Pinia, Vue Router, TypeScript, i18n, Canvas, Open API, Mocha, Jest, Vitest, Cypress.

2022-2023 Architect, TS Developer

SONGJELLY (Entertainment)

Complete migration of the SongJelly application to Vue 3, based on the prototype developed in 2021.

This project involved extensive refactoring of the application as well as the integration of a UI component model. The goal was to improve the maintainability and performance of the application, while introducing new features for end users.

- Remote, startup, individual work.
 - Technologies: Vue 3, Pinia, Vue Router, TypeScript, i18n, Microsoft Monaco Editor (then CodeMirror v6), Mocha, Jest, Vitest, Cypress, CSS (advanced), SCSS, SASS.
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2022 TS Developer

CINTOO (Building)

Collaboration on a 3D building numbering project. The work focused on the user interface, with the creation of a specific UI component framework to meet the needs of the project. Emphasis was placed on interoperability and interface performance.

- Remote, team of 4 to 6 people.
 - Technologies : Vue 3, TypeScript, Mocha, Jest, Vitest, Cypress, CSS (avancé), SCSS, SASS, Clean Code.
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2021 Architect, Developer, Illustrator, UX Designer

SITE QUARKSTUDIO

Creation of the company presentation site, a single page application (SPA) using Vue.js. The project involved managing web services via Mailgun and integrating Google APIs for converting spreadsheets to JSON. The goal was to create an attractive and functional platform for presenting the company's services.

- Individual work.
 - Technologies : Vue.js (v2) + Pixi.js + i18n, TypeScript, Mailgun, Node.js (Express), Google APIs (Spreadsheet to JSON).
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2019-2021 Architect, Developer, Illustrator, UX Designer

SONGJELLY (Entertainment)

Development of a prototype for the publication of musical scores, with a focus on editing, parsing, and rendering of scores. This project created a score source code editor, a parser to convert the code into model objects, and a player for rendering scores. The objective was to provide a powerful tool for music professionals.

- Remote, startup, individual work.
 - Technologies : Vue.js (v2) + Vuetify + Vue Router + Vuex, TypeScript, Firebase (firestore) + OAuth2 + Node.js, Regex (avancé), Canvas + Pixi.js, CodeMirror + Custom mode, IndexedDB.
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2015-2020 Architect, Tech Lead, TS Developer, UX Designer

PRESCRIRE (Medical)

Development of a mobile application for the distribution of medical scientific publications, with advanced search, favorites management, and offline consultation features. The project was carried out in two phases: first the creation of a prototype, then the online launch and evolutionary maintenance. The emphasis was placed on performance and ease of use for healthcare professionals.

- Remote, SME, team of 8 people.
 - Two phases: creation of the prototype and online launch with evolving maintenance.
 - Technologies: Polymer then Vue.js (v2), IndexedDB, Cordova (iOS and Android), project management, workflow configuration on JIRA (Agile).
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2019 Architect, TS Developer, UX Designer

LES BONNE PÂTES (Bakery)

Creation of an application prototype for the management and sharing of bakery recipes for professional use (B2B). The project included functionalities for creating, dynamically reading recipes, calculating costs, and comparing recipes. The app aimed to simplify recipe management and optimize costs for bakers.

- Remote, startup, individual work.
 - Technologies : Vue.js (v2) + Vuetify + Vue Router + Vuex, Firebase (firestore) + OAuth2 + Node.js.
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2018-2019 Architect, JS Developer, UX Designer

MOULIN DU COURNEAU (Agriculture)

Development of a webapp intended for taking and tracking flour orders for bakers (B2B). The project included a product catalog, an order management system, and an SMS notification service. The application aimed to automate and simplify the order chain for professional customers.

- Remote, individual work.
- Technologies: Polymer then Vue.js (v2) + Vuetify + Vue Router + Vuex, Firebase (firestore) + OAuth2 + Node.js.

2017-2018 Architect, JS Developer, UX Designer

BOUYGUES IMMOBILIER (Real Estate)

Design and development of a webapp listing real estate projects, allowing complete management of slideshows via a dedicated user interface, as well as the presentation of projects in markdown form with images. The objective was to create an internal tool for monitoring the company's real estate projects.

- Remote, team of 2 people.
- Technologies : Polymer (JavaScript), Markdown (marked.js).

2000-2015 Other experiences

- DEVAPRINT : Label sheet creation application
- COP21 : Interactive information kiosk
- AXA : Mobile application for "serious games"
- NEXANS : Interactive map with Excel interface
- ACTIVSCREEN : Interactive terminal ordering applications for children
- PHOTOBOX : Mobile application for photo albums
- RATP : Application for a competition in the metro
- RENT A CAR : Mobile application and reservation site
- CMP - CRÉDIT MUNICIPAL DE PARIS : Front office of the banking site
- MXP4 GAME : Snake video game
- SAINT MICHEL : Website for the St Michel pancake brand
- FDJ : Creating a player for WebTV
- BOLLORE : Interactive kiosk
- CAMPUS IDF : Creating an interactive DVD
- SEPHORA : E-Learning application
- LOUIS VUITTON : E-Learning application
- APCO : Redmine plugin
- UNESCO : E-Learning application
- CITROËN : Citroën promotional site
- EDF : User assistance application
- MOOZIES : Video sharing site
- ZAPLOOP : Audio player site
- SYSTEM U : E-Learning launcher
- CUISINE APTITUDE : Cooking class appointment booking website
- MON VIEIL AMI : Website of the Mon Vieil Ami restaurant
- DROUANT : Website of the restaurant Le Drouant
- NICKEL : Website of the cosmetic brand Nickel
- LOGIGROOM : Application for assembly and control of smoke extraction equipment
- PUB 4 MUSIC : Advertising space sales website

- XANDMAIL : Complete email client under flash
- MAJE: Website of the ready-to-wear brand Maje
- ROMAIN AFFLELOU : Sports glasses sales website