

ISABELA CRISTINA KARKACHE

Senior Frontend Engineer - Vue 3 - Nuxt - Typescript - Frontend architecture - Performance

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 6+ years of experience building scalable web applications and complex user-facing features across SaaS, financial, and high-traffic platforms. Strong expertise in Vue 3, Nuxt, Typescript, Javascript, frontend architecture, component systems, performance optimization, and SEO, with hands-on experience integrating and implementing REST APIs, working with MySQL databases and contributing across the application stack when needed. Experienced in owning technical initiatives from architecture and implementation to production, collaborating closely with product and design teams, mentoring engineers, and improving codebases for scalability, maintainability, performance and developer experience. Built a high-traffic vertical media experience that reached 20M+ views in a month, handling large volumes of image and video content while maintaining a responsive and performant experience across devices. Comfortable working with automated testing, CI/CD, Docker and modern AI-assisted development workflows.

TECHNICAL SKILLS

Languages: Typescript, Javascript, HTML5, CSS3, PHP

Frontend: Vue 3, Nuxt, React, Angular, Composition API, responsive design

Architecture & state management: frontend architecture, component architecture, design systems, Pinia, Vuex

Performance & web: performance optimization, Core Web Vitals, SEO, SSR, SSG, SPA, i18n

Testing & quality: Jest, Vue Test Utils, Playwright, Cypress, Unit testing, Storybook and code reviews

APIs, backend & data: REST APIs, API integration, PHP/Laravel, MySQL, backend fundamentals

DevOps & tooling: Git, Docker, CI/CD, Jenkins, Vite

Design & product: Figma, UI/UX, Google Analytics, User analytics

AI-assisted development: Claude Code, Antigravity, Github Copilot, Cursor, Codex

PROFESSIONAL EXPERIENCE

SENIOR FRONTEND ENGINEER II - ATLAS TECHNOLOGIES

Nov 2021 - present

- Own the development of complex frontend features for a high-traffic platform, using Vue 3, Nuxt, TypeScript, JavaScript, and modern frontend architecture.
- Developed a responsive vertical media consumption experience, similar to TikTok, Reels, and Shorts, which reached 20M+ views in a single month while handling high volumes of image and video content.
- Used product analytics and user interaction data, including Google Analytics and heatmap/session-recording tools, to identify user behavior patterns and drive improvements to engagement, retention, and conversion.
- Implemented Sentry observability for the platform's high-traffic upload workflow, improving visibility into production errors and issues across the user journey.
- Improved the S3 upload experience, optimizing upload performance while significantly improving usability and feedback throughout the upload flow.
- Implemented Google Analytics and Core Web Vitals instrumentation directly in the application, enabling performance monitoring and data-driven optimization.
- Delivered significant improvements to Core Web Vitals and overall web performance, contributing to improved search engine positioning and organic visibility.
- Work with MySQL databases on a daily basis, writing queries and manipulating local database environments to investigate issues and support feature development.
- Integrate frontend applications with APIs and contribute to backend functionality when required, with previous hands-on experience in PHP/Laravel.
- Contribute to frontend architecture and technical decisions, with a focus on scalability, maintainability, performance, and developer experience.
- Mentor developers through code reviews, technical discussions, and knowledge sharing, while acting as a technical reference for frontend initiatives.

- Use modern AI-assisted development workflows with Claude Code, Antigravity, GitHub Copilot, Cursor, and Codex for implementation, testing, debugging, refactoring, and technical exploration.

SENIOR FRONTEND DEVELOPER - APPMAX

May 2021 - Dec 2021

- Developed reusable, production-grade frontend components for a high-volume payment platform using TypeScript and modern JavaScript frameworks.
- Designed complex responsive interfaces and interactive components with minimal reliance on third-party dependencies, prioritizing performance, maintainability, and UX.
- Contributed to the company's frontend component system and Storybook documentation, improving consistency and reuse across product teams.
- Implemented automated unit tests and contributed to frontend quality standards and development practices.
- Mentored developers and shared frontend best practices through technical guidance, code reviews, and documentation.
- Collaborated with product and design stakeholders to transform requirements and UI specifications into scalable frontend solutions.

FRONTEND DEVELOPER - ROIT

Aug 2020 - May 2021

- Developed complex business-critical features for a financial SaaS platform using Vue, Nuxt, TypeScript, and JavaScript.
- Translated complex business rules and product requirements into maintainable, responsive user interfaces.
- Refactored legacy frontend code to improve performance, maintainability, and code quality.
- Worked with frontend state management, API integrations, UI frameworks, and asynchronous data flows.
- Contributed to CI/CD pipelines using Jenkins and collaborated with cross-functional teams throughout the development lifecycle.

FRONTEND DEVELOPER - NAVAS DESIGN

Jul 2020 - Aug 2020

- Translated UI/UX designs into responsive and functional interfaces.
- Collaborated closely with designers to ensure high-quality frontend delivery.

FRONTEND DEVELOPER INTERN - HEROSPARK

Aug 2019 - Jun 2020

- Built and designed a monetized Netflix-style template and developed frontend features.
- Worked directly with clients to understand requirements and deliver frontend solutions.

FREELANCE FRONTEND DEVELOPER

2019 - present

- Built frontend features using React and Angular for client projects.
- Implemented internationalization (i18n), enabling multi-language support.
- Delivered responsive, user-friendly, and interactive interfaces.

EDUCATION

Postgraduate in UI/UX Design - Anhanguera Educacional (Apr 2025 - Jan 2026)

Postgraduate in Computer Engineering - UNINTER (Oct 2023 - Jul 2024)

Postgraduate in Mobile Software Engineering - UNINTER (Oct 2023 - Jul 2024)

B.Sc. in Computer Systems Technology - Universidade Positivo (2019 - 2023)

Bachelor's Degree in Law - Universidade Positivo (2013 - 2017)

LANGUAGES

English: Fluent (Cambridge FCE) · **Spanish:** Basic · **German:** Basic

ADDITIONAL

Technical Writing: Published technical content on Nuxt rendering strategies, including SPA, SSR, and SSG trade-offs related to performance, SEO, and user experience.