

# Ismael Tavares Rodino

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**Fullstack Engineer** with 4+ years of experience specializing in TypeScript, React, Next.js, and Tailwind CSS for building high-performance, scalable web applications. Proven track record in designing reusable components, establishing design systems, and leading frontend architecture decisions in cross-functional, international teams. Extensive experience with REST API integrations, unit and E2E testing (Jest, Cypress, Playwright), and CI/CD pipelines. Skilled in collaborating with cross-functional teams to deliver high-quality, data-driven applications that enhance user experience and business value.

## WORK EXPERIENCE

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**Bucksense** - [Bucksense Website](#)

**Software Engineer**

USA, Remote | **Jul 2024 – Present**

- **Developing a High-Traffic Cruise Booking Platform:** Collaborated with an international, cross-functional team of engineers, QA, and designers to deliver new features for Crystal Cruises, a large-scale cruise booking website. In addition to standard backlog activities, implemented multiple performance and maintainability improvements, including reducing image sizes to optimal resolutions, applying UI caching for heavy computations, simplifying complex logic, introducing dynamic imports and lazy loading where beneficial, and performing code clean-ups. **Result:** According to Lighthouse audits, these optimizations improved performance scores by approximately 20 points and enhanced booking flow efficiency, contributing to a smoother and faster user experience.
- **Enhancing Search Performance and Reducing API Costs:** Optimized Algolia search caching logic and improved the React-based Search component to minimize unnecessary API calls. Introduced server-side caching and refined query strategies, while implementing incremental static regeneration in Next.js to deliver fresher content without full rebuilds. **Result:** Using Google Tag Manager events and monitoring through an internal dashboard, we observed a clear before-and-after pattern in the analytics graph, showing an approximate 30% reduction in API request volume. This decrease directly lowered Algolia costs and improved search load times across all regions.
- **Strengthening Payment Gateway Reliability:** Designed and implemented a comprehensive testing suite for the multi-country payment marketplace module, covering scenarios such as tax calculation per market, currency conversion, payment method availability, error handling, and refund flows. Included automated unit, integration, and end-to-end tests, as well as manual exploratory testing for edge cases like partial payments and timeouts. **Result:** Reduced payment-related production incidents, improved checkout success rates, and increased stakeholder confidence in payment stability.

**Freelance – Cultural Platform Project**

**Software Engineer**

Brazil, Remote | **Feb 2025 – Nov 2025**

- **Designing and Building a Sustainable Cultural Events Platform:** Led the end-to-end development of *Seja Gudi*, a multi-platform social network designed to centralize cultural events and promote recycling initiatives. The platform rewards users with coupons when they deliver recyclable materials to designated collection points managed by administrators through a role-based access system. **Result:** Delivered a fully functional MVP covering core user flows, attracting initial partnerships with local event organizers and sustainability programs.
- **Developing Cross-Platform Applications:** Built the mobile apps for iOS and Android using React Native and the responsive web platform using Next.js, sharing business logic between them. Integrated a Prisma ORM + Supabase backend to provide scalable data management and real-time updates. **Result:** Achieved feature parity across platforms, enabling a seamless user experience regardless of device.
- **Implementing Location-Based Event Discovery:** Integrated geolocation services to allow users to discover cultural events and recycling points nearby. Designed an admin dashboard with role-based permissions to allow event managers to approve, edit, and promote activities directly from the platform.
- **Integrating Payments and Reward Systems:** Connected Mercado Livre API for secure online payments, enabling both paid event ticketing and reward redemption from recycling incentives. Implemented multi-currency support for scalability to other cities in the future. **Result:** Enabled a sustainable monetization model and incentive system to drive both event attendance and recycling engagement.

## Quattrus - [Quattrus Website](#)

### Software Engineer

Porto Alegre, Brazil | Jan 2024 – Aug 2024

- **Leading the Frontend Migration from ExtJS to Next.js:** Led the frontend team in migrating the company's enterprise management applications from ExtJS (a paid legacy framework) to Next.js. Collaborated closely with the backend lead, product manager, and tech lead to define architecture and delivery milestones. Result: Eliminated licensing costs for ExtJS, reduced frontend complexity, and improved maintainability, while aligning the technology stack with modern web standards.
- **Architecting a High-Performance and Efficient Frontend:** Designed and implemented a hybrid rendering strategy using Static Generation and Server-Side Rendering in Next.js, combined with strategic caching to optimize page load times. Migrated the deployment process to Vercel with automated CI/CD pipelines, replacing manual release steps and enabling zero-downtime updates. Result: Increased average page load speed by ~40% measured via Lighthouse, and reduced deployment times from hours to minutes, allowing for faster and more frequent releases.
- **Creating a Private Company-Wide Design System:** Developed and published a private npm package for a shared design system built with Tailwind CSS and ShadCN UI components. Integrated it into the migrated app and established it as the foundation for future products. Result: Significantly reduced UI development time by enabling reuse of standardized components, ensured consistent branding across products, and simplified long-term maintenance.
- **Leading the Development of an AI-Powered Business Document Platform:** Spearheaded a project for a partner company using the same Next.js-based stack to build a multi-functional web application capable of reading business documents, interpreting their content, and automatically training a dedicated AI model for each connected account. Collaborated with backend engineers to integrate with LLMs (Gemini or ChatGPT, depending on client preference), ensuring secure and context-aware training. Result: Delivered a fully functional MVP that met all project objectives.

## Alex Rohleder LTDA

### Contractor Software Engineer

Norway, Remote | Mar 2023 – Jan 2024

- **Architecture Refactoring for Code Efficiency:** Led the migration of a legacy Create React App (CRA) system to Next.js for an energy company platform managing seasonal student programs. Designed a hybrid architecture to run the old and new applications in the same codebase, modularizing both UI components and core business logic — including a shared translation engine — to eliminate duplication and improve maintainability. Result: Reduced code complexity, streamlined feature development, and substantially decreased translation maintenance overhead, all without disrupting seasonal onboarding operations.
- **Improving Performance and Reliability:** Enhanced caching strategies, optimized webpack configuration for hybrid builds, and integrated Firebase for backend services such as authentication and real-time data. Established automated E2E, unit, and snapshot tests targeting business-critical features. Result: Reduced page load times during peak usage periods and minimized regression bugs, improving overall platform stability and user experience.

## Speedcast - [Speedcast Website](#)

### Software Engineer

USA, Remote | Feb 2022 – Apr 2023

- **Redesigning a Network Monitoring Platform for Satellite Operations:** Contributed to the new version of *Speedcast Compass*, an enterprise portal for monitoring and managing remote site networks. Transformed a legacy, visually outdated system into a modern, responsive web application with improved usability and data visualization. Result: Delivered a more engaging and intuitive user experience, increasing client adoption of the new interface.
- **Implementing Real-Time Satellite Visualization:** Integrated **ArcGIS** API to display a 3D globe with live satellite positioning directly on the platform's homepage, enabling users to monitor satellite coverage, operational status, and movement in real time. Result: Enhanced situational awareness for network operators and reduced the time required to locate and assess satellite network issues.
- **Transforming Big Data into Actionable Insights:** Designed and implemented modules to process and transform large datasets into downloadable reports (CSV, XLSX), supporting network performance analysis and decision-making for clients. Result: Improved report generation time and data accuracy, streamlining network management operations.

## Switch App - [Switch App Website](#)

### Contractor Software Engineer

Brazil, Remote | Oct 2021 – Feb 2022

- **Enhancing a Hospitality Recruitment Platform:** Worked on *Switch App*, a platform connecting professionals to job opportunities in bars, restaurants, hotels, and other hospitality businesses. Contributed across both frontend and backend, using React.js, Node.js, and PostgreSQL.

- **Developing and Optimizing Payment and Document Management Features:** Implemented and refined modules for generating and managing payment slips and PDF documents, ensuring compliance with local payment standards. Result: Reduced payment processing errors and improved document handling efficiency for company administrators.
- **Improving User Experience and Visual Design:** Collaborated with the product team to modernize UI components, refine layouts, and improve responsiveness across devices. Result: Increased platform usability and engagement, contributing to higher user retention rates.

Lucalto - [Lucalto Website](#)

### Contractor Software Engineer

Norway, Remote | Jan 2021 – Sep 2021

- **Launching a Social Platform for Tattoo Artists:** Contributed to the development and launch of *Inkball*, a niche social network for tattoo artists to showcase their work and connect with clients. Worked in a startup environment, collaborating closely with the founder to deliver core features and ensure a smooth product release. Result: Helped bring the platform from concept to production, enabling early user adoption in the target community.
- **Building a Foundation in Modern Web Development:** Gained hands-on experience with **Next.js**, **Supabase**, and **Prisma ORM**, implementing authentication flows, database models, and responsive layouts. Learned to work in a fast-paced, resource-constrained startup setting, developing real-world skills in problem-solving, feature prioritization, and cross-functional collaboration. Result: Established a strong technical foundation that shaped future full-stack development work.

## EDUCATION

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- **Centro Universitário Internacional (UNINTER)**  
Bachelor of Software Engineering  
Porto Alegre, RS, Brazil | Graduated: Dec 2025
- **Centro Universitário Internacional (UNINTER)**  
Associate degree of Systems Analysis and Development  
Porto Alegre, RS, Brazil | Graduated: Dec 2023
- **Universidade Federal do Rio Grande do Sul (UFRGS)**  
Bachelor of Physics  
Porto Alegre, RS, Brazil | Jan 2018 – Dec 2020

## SKILLS

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- **Web Development & Technologies:** HTML, CSS, JavaScript, TypeScript, Next.js, Node.js, React.js, React Native, Vue.js, Sanity.js, Cognite SDK, ShadCN, Tailwind, Prisma ORM, Electron.js, Stripe, Mercado Pago
- **Testing:** Jest, Cypress, Playwright, Puppeteer, Unit Tests, E2E Tests, Snapshot Testing
- **Database Management:** SQL, MongoDB, PostgreSQL
- **Design & Prototyping:** Figma
- **Cloud & CMS:** AWS, Vercel, Firebase, Sanity, Supabase
- **Project Management:** Jira, Agile SCRUM, Trello, Linear
- **Languages:** English, Portuguese

## REFERENCES

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- Available upon request