Luís Deschamps Rudge

Full Stack Developer • Calgary, AB - Canada

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Qualifications

- **10+ years** of experience in software development
- Strong **open-source** background
- Worked in both **Startup** and **Enterprise** environments
- **Mentored** internal and external teams of engineers, including 10+ talks and 4 recorded courses

Work Experience

Senior Software Engineer @ Kritik (website)   2022-04 – today

At Kritik, I lead core engineering initiatives for a peer assessment platform serving North American universities.

Key highlights:

- Led complex database migration from MongoDB to PostgreSQL
- Established comprehensive E2E testing framework using Cypress, increasing test coverage by 150%
- Optimized developer workflows and CI/CD pipelines, reducing build times by 50%
- Architected new product using Cloudflare stack (Pages, Workers, D1) and Lexical editor
- Conducted technical interviews and mentored team on best practices

Lead Software Engineer (Frontend) @ Browze (website)   2021-03 – 2022-03

I joined Browze as a Senior Frontend Engineer and quickly began leading a small team of 4 engineers to rewrite the browze.com website experience. Through regular mentoring sessions and technical guidance, I helped grow team capabilities while collaborating with product and design teams and launching the project in four months.

- The new website had a big performance boost:
- Increased conversion by +81%
- Increased checkout completion rates by +21%
- Increased 'Added to cart' events by +50%
- Increased 'Core Web Vitals' metrics in all four categories
    - performance from 2 to 62 (+3100%)
    - accessibility from 74 to 98 (+32%)
    - best practices from 73 to 92 (+24%)
    - SEO from 85 to 100 (+19%)

Performance was always the goal, and that's why we built Browze 2.0 with Next.js (React), leveraging ISR (Incremental Static Regeneration) to its fullest (including dynamic invalidation when any data changed). Effectively, we served raw .html files. When you do nothing, you can scale infinitely!

On top of that, my team:
- Created a React-based design system with Tailwind CSS, and TypeScript
- Used GitHub actions to run CI/CD pipelines (with Cypress for integration tests)

Engineering Lead @ Round Pegs Inc. (US – remote - website).   2019-11 – 2021-03

- Leading a team of engineers in rebuilding critical services and infrastructure for a big enterprise
- Designed initial architecture and prototype using Node.js, GraphQL, Oracle, PostgreSQL, React, and Tailwind CSS while mentoring team on best practices
- Overseeing cross-team collaboration and infrastructure evolution
- Executing technical interviews with candidates

Frontend Engineer @ Auth0 (US – remote - website)   2017-01 – 2019-10

Auth0 is an identity management platform for application builders and developers valued at more than $1.5 billion.

- Merged two open source projects into one to improve development efficiency and reduce overhead to maintain two similar libraries
- Modernized one of the most used **JavaScript SDKs** with a new build pipeline using **Rollup** as a bundler and **ES Modules** as the module system
- Participated in a team that pushed through a deprecation project of a legacy API. I implemented a new authentication spec in our browser-facing SDKs, wrote lots of migration guides and 'Quickstarts'. Most customers were able to migrate without significant code changes
- Built an opinionated authentication SDK in **TypeScript** focused on the most used features. It was released in 2019 and it's the official SDK as of today. It's the building block used by other framework-specific SDKs, like **React**, Angular, Vue, etc.

Full Stack Developer @ RealROI (US – remote - website)   2015-04 – 2016-12

Real ROI is all about maximizing their customers' Ad budget, improving KPIs by using proprietary tools and proven methodologies.

- Created the initial skeleton of the main backend infrastructure, using **DDD**, **CQRS**, and **Event Sourcing** using **.NET** (mostly **C#**, but used a bit of F# as well)
- Started adventuring myself building the ReactJS frontend application. It was my first contact with React and loved it. Spent most of the time creating what would become the frontend application
- Studied and tested several global state management solutions for the frontend project (Flux, Redux, Saga), eventually deciding to use MobX because of its simplicity and reactivity

PREVIOUS EXPERIENCES

- **Full Stack C#/.NET Developer @ Way2 Technology**
  - o (Florianópolis - Brazil - website)   2013-04 to 2015-03
- **Full Stack C#/.NET Developer @ Tecnologia Única**
  - o (São Paulo - Brazil - website)   2011-06 to 2013-04

SIDE PROJECTS

- **Tech Founder @ DePoster Inova Quadros**
  - o (Florianópolis - Brazil - website)   2019-12 to 2022-03
- **Tech Founder @ Unic Learning**
  - o (São Paulo - Brazil - website)   2012-02 to today

SKILLS

- JavaScript
- Node.js
- React
- GraphQL
- Rest APIs
- Relational and NoSQL databases
- Git
- Tailwind CSS