

# LUCAS FERNANDES

## Full Stack Developer

[linkedin.com/in/luks3110](https://www.linkedin.com/in/luks3110) • [github.com/Luks3110](https://github.com/Luks3110) • [lucas70fernandes@gmail.com](mailto:lucas70fernandes@gmail.com) • [frnlucas.vercel.app](https://frnlucas.vercel.app)

Systems-oriented software engineer with 3+ years of experience building scalable web apps and systems for marketplaces, CRM and e-commerce analytics industries. Enjoys understanding customer's needs and collaborating on planning and strategic decisions to ship production-ready code and iterate fast. Currently contributing to the development of a marketplace platform that facilitates thousands of transactions per day, resulting in improved scalability and reliability. Highly adept to best practices such as TDD, SOLID, DRY and KISS. Proficient in JavaScript, TypeScript, Node.js, React.js, Next.js, SQL, NoSQL, AWS, Serverless Framework and NestJS.

## WORK EXPERIENCE

### **Pilar • Mid-Level Software Engineer • Brazil (Remote) • Full-time • 08/2024 - Present**

*A company with more than 2.7 billion BRL in transactions in 2023. Works in the real-estate industry specifically with high standard properties.. Working as a Software Engineer mainly with Vue.js, Python , Gitlab and AWS.*

- Fixed bugs that decreased the development experience by fixing the Typescript integration with Unplugin auto import.
- Implemented PNPM.
- Added changelog automation to CI/CD
- Created pipelines with Gitlab CI/CD.
- Implemented core features that improved user experience and had a huge positive impact and feedback from brokers.

### **CloudDevs • Elevate Ventures • Software Engineering Leader • United States(Remote) • Full-time • 07/2024 - 09/2024**

- Built the whole MVP for a Rental Management System focused on private car dealerships in the US.
- Led the development from design to production and launched the application in the Shopify App Store
- Integrated with Axle for car insurance checks
- Integrated with GetVerdict - Real ID for ID checks
- Fleet management
- Participated in various business decisions

## **Superlógica • Mid-Level Full Stack Developer • Brazil (Remote) • Full-time • 08/2022 – 08/2024**

*A leading real-estate technology company with 60% market share in condominiums, serving over 5,000 clients with CRM and sales solutions. We help real estate agents find ideal clients and advertise across multiple marketplaces. Experiencing double-digit monthly growth, we recently merged with a top Brazilian condominium management software firm, managing over 600,000 lease contracts.*

- Reduced lead insert operation time in our database by 145% by overhauling the structure of our data analytics, implementing pre-processing for dashboard analytics, and repairing data-intensive indexes. Acted as the team's technical reference due to proactivity and proficiency in implementing tools relevant to our use cases, in addition to encouraging good code practices as a code reviewer.
- Interacted with multiple teams and designers to implement several features to improve customer experience, such as the inclusion of Algolia in our search, delivering optimal results, in addition to increasing performance level.
- Refactored several pages of legacy AngularJS code, fixed multiple bugs and implemented features in resources such as proposals for lease and sale, being responsible for correcting the flow of proposals. Reduced the use of React Context using React Query and improved response time of requests using React Query cache.
- Created a design system with TailwindCSS and Radix, and POCs based on personal suggestions on technologies and project architecture.
- Development and deployment of features to Play Store and App Store of a React Native app for real-estate agents with thousands of users.  
Migrated a code-base from plain React Native to Expo, in order to increase productivity.  
Development of a whole new project for registering properties with Next.js and Material-UI, adding observability with New Relic, SEO, project architecture and the creation of the Next.js container.

## **Resolv Risk • Full Stack Developer • Brazil (Remote) • 11/2023 – 05/2024**

*Company providing fraud prevention solutions, focusing on death fraud, with major Brazilian banks as clients.*

Contributed to creating Resolv One, a white-label platform for organizations to sell Resolv's anti-fraud services. Led end-to-end delivery from design to production, including:

- Monthly billing automation via a Cron Job and queues, generating invoices and approval workflows for client organizations.
- Custom resource utilization dashboards with date, service, and organization filters, considering ACLs.
- Resource usage logs.
- Advanced pagination-enabled death search with phonetic search using MariaDB for high performance due to a large dataset.
- Implementation of features within a Clean Architecture.
- Development of fraud prevention services that uses a large dataset of deaths, with performance as its main requirement.
- Full-Cycle development of features, from prototype to production of both backend and frontend.
- Creation and maintenance of Terraform IAC.
- Creation and maintenance of Docker containers to operate as EC2 Instances.
- Batch processing of CSV files with Node.js streams and a portal with Material-UI and React.js.

**Afinz • Mid-Level Backend Node.js Developer • Brazil (Remote) • Contract • 03/2023 – 06/2023** *A fintech from Brazil with big clients*

- Development of scalable code for microservices looking forward to being efficient with resources.
- Contributed to the development of the KYC in every step related to the authorization in the KYC process, in microservices using Serverless Framework, Typescript, TDD, Middify, AWS, Clean Architecture and a lot of other cool technologies.
- I've done several integrations and API changes using financial providers like Fiserv, writing code that is scalable, efficient and maintainable, that is executed millions of times everyday.
- I've fixed security issues and refactored code improving its security by removing ways of reverse engineering among other ways of using APIs in a fraudulent way.

**Soipo Services • Mid-Level Full Stack Developer • Estonia (Remote) • Full-time • 04/2022 – 08/2022**

*A software house based in Estonia, specialized in the development of BaaS for enterprise and startups, cross-platform, native iOS and Android applications, system integrations and ad hoc software.*

- Fixed integration flow with Shopify, Prestashop, BigCommerce and Magento fixing code bugs, JSON transformations and optimizing functions, implementing sockets and a user-friendly loading screen to return real-time feedback from integrations to clients
- Reviewed the structure of the microservices architecture, implemented it correctly with Redis, BullMQ and MongoDB, and contributed to the creation of the AWS infrastructure with Serverless Framework, using Lambdas, EC2, VPC, API Gateway, SES and Cognito
- Fixed bugs in MongoDB aggregations for the purpose of returning analysis of sales data, among other points in customer stores
- Refactored TypeScript code running in Node.js to make it properly typed, maintainable and decoupled Completely implemented the authentication, registration and password recovery flow with Cognito, refactored class components to functional components, and developed recurrence charges using Stripe

**Freelance • Full Stack Developer • Brazil (Remote) • Full-time • 04/2020 – Present**

*Actively working as freelancer or contractor offering various services, mainly Cloud-Native apps.*

**Atacadão(04/2020 - 01/2021) • Contractor**

- Created landing pages for promotions, helped in the collaboration with maintenance in the marketplace solving bugs and implementing new features.

**NP Serviços(02/2021 - 04/2022) • Contractor**

- Created landing pages for sales purposes, the client worked as a seller for Claro internet plans, and insurance plans for vehicles.

## EDUCATION

**Mackenzie Presbyterian University, São Paulo, Brazil** (2018 - 2022)

Completed 50% of credits towards a BS in Information Systems

## HARD SKILLS

### Front-end:

React.js, Next.js, Next-Auth, AngularJS, Auth0, Redux, Styled-Components, TailwindCSS, Radix, Zod, tRPC, React-hook-forms, Yup, React-Query, Gatsby, Framer-Motion, Material-UI, Ant-Design, shadcn/ui, Context-API, Hooks, Class Components and Functional Components.

### Back-end:

NestJS, Express, Fastify, Prisma, TypeORM, Sequelize, Mongoose, Multer, Celebrate, Joi, Mocha, BullMQ, Socket.io, Pusher, Node Streams, RabbitMQ, Apache Kafka, Serverless Framework, Docker and Kubernetes

### Observability:

NewRelic, Grafana and Dynatrace.

### Testing:

Jest, Cypress and Playwright

### AWS:

Cognito, S3, API Gateway, Lambda, EC2, ECR, ECS, App Runner, SES, VPC, Redshift, DocumentDB, DynamoDB, RDS and IAM

### API interfaces/protocols:

GraphQL, REST/RESTful and gRPC

### SQL:

PostgreSQL, MySQL and MariaDB.

### NoSQL:

MongoDB, Redis and DynamoDB

### I have familiarity with:

Scrum, Agile Development, Jira, CI/CD, Github Actions and Conventional Commits.