# ISAAC ALVES

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## WORK EXPERIENCE

### Big Data Health

*Software Engineer*                                          *Jan 2025 - Present*

- Developed and maintained scalable web applications using Ruby on Rails, ensuring clean code and best development practices.
- Refactored legacy code and implemented automated tests, improving code maintainability and system reliability.
- Configured and utilized Docker to standardize development environments and simplify application deployment.

### Fetchly Labs

*Software Developer*                                          *Jun 2023 - May 2024*

- Developed and optimized back-end functionality for web applications using Ruby on Rails, resulting in increase in performance metrics.
- Implemented front-end features with Vue.js and Tailwind CSS to enhance user experience, leading to a 20% decrease in bounce rate.
- Managed databases efficiently to ensure data integrity and security, resulting in a 95% reduction in system downtime.

### Federal Institute of Piaui

*Software Engineer Intern*                                          *Jun 2023 - May 2024*

- Developed and implemented backend systems using Ruby on Rails to optimize performance and scalability, resulting in a 30% increase in website speed.
- Collaborated with design team to integrate modern tools such as React.js, improving user interface functionality.
- Demonstrated strong problem-solving skills by resolving backend issues within tight deadlines, contributing to a customer satisfaction rate.

## EDUCATION

Federal Institute of Piaui

*Bachelor's in Computer Science*                                          *Graduation Date: Jan 2026*

*Technician's in System Development*                                          *Graduation Date: Mar 2022*

## PROJECT EXPERIENCE

### Hospital Manager

- **Developed a Medical Office Management System** using Ruby on Rails, featuring role-based portals for doctors and receptionists.
- **Integrated Pundit and Devise** for role-based authorization and authentication, ensuring secure access to patient data.
- **Implemented data visualization** with Chartkick and a responsive interface using Tailwind CSS.

### Url Shortener

- Developed a scalable **URL Shortener** using **Ruby**, **Sinatra**, and **MySQL**, featuring **unique 6-character URL generation** and **access tracking**.
- Integrated **Sequel ORM** for **database management** and **Docker** for a **streamlined development environment**.
- Designed a **responsive user interface** with **TailwindCSS** and implemented **automated tests** to ensure **application reliability**.

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