
José Antonio Torres Garibay.

Developer.

Monterrey (Nuevo León)

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<https://jotga.dev>

Full Stack Engineer with over 5 years of experience developing and optimizing scalable web applications. Skilled in both front-end and back-end technologies. Passionate about learning the latest advancements in tech to create innovative solutions that redefine user experiences. Adept at managing complete development cycles, from gathering requirements to deployment, with a commitment to continuous improvement and delivering high-impact, user-centered applications.

TECHNICAL SKILLS

- **Back-end Development:** Ruby on Rails.
- **Front-end Development:** React, Vue, Turbo, Stimulus, Hotwire.
- **Relational Database:** PostgreSQL, MySQL.
- **NoSQL Database:** Redis, DynamoDB, Memcached.
- **Development Practices:** Behavior Driven Development (BDD), Code Reviews, Refactoring, Design Patterns.
- **Version Control:** Git.
- **Operating Systems:** Linux (Debian-based), UNIX.
- **Performance Optimization:** Diagnosing, preventing, and fixing performance issues.
- **Cloud & Containerization:** AWS, Azure, Docker.
- **Other Technologies:** Elasticsearch, RSpec, Rubocop.
- **Team collaboration frameworks:** SCRUM (Scrum master), Shape Up (Pitch Lead).

EXPERIENCE

Mastercard - SessionM, Infosys, Monterrey - *Senior Software Engineer*

APRIL 2025-CURRENTLY

- Helped design and code an opt-in limit feature for campaigns, used by millions of users every day. We used DynamoDB to save and update the counter due to expected high throughput, and designed a sharded partition key to avoid a hot key. We used the bucket pattern to determine when the limit was reached.

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- Worked with Amazon Quicksight, helping to deliver a service where the user can design dashboards with the data it has stored in Amazon Athena, developing endpoints with GraphQL, and creating cron jobs to clean Amazon unused users to reduce costs.
 - Refactored code applying DRY and clean code standards, reducing more than 600 lines of code per file.
 - Worked using React to fix bugs and develop features in the Front-End of the product.

Syscap, Monterrey - *Senior Software Engineer*

JULY 2023-DECEMBER 2024

- Start and lead projects from the beginning, focusing on security and performance with tools like Ruby on Rails, Sidekiq, Docker, AWS, Rubocop, RSpec, New Relic, etc.
- Advocated for code quality improvements and code reviews, integrating tools in the CI/CD pipeline through GitHub actions.
- I designed the architecture, infrastructure, and code for an API microservice that was key to releasing a new product to production. It uses different internal APIs, such as the OAuth API, for authentication.
- Share knowledge and improve continuously without stopping key features.
- Refactored code to improve clarity and efficiency.
- Participated in on-call rotations to troubleshoot urgent issues in a production environment.
 - Participated and led hotfixes into production through the use of Docker and AWS.
- Led key initiatives for the engineering team, like feature flags, Docker implementation, Ruby on Rails version upgrade, and the introduction of monitoring tools, which impacted all the organization's products.
- Embraced shape-up methodology, creating innovative pitches for the product as a Chatbot that answers users' questions about the product, gives a better user experience, and reduces support tickets and Service Requests in the long run.

Apptegy, Monterrey - *Back-End Developer*

JANUARY 2021-JUNE 2023

- Learning leadership, how to improve performance, and work culture.
- Developing key features with Ruby on Rails.
- Integrated Elasticsearch to improve app search and filtering with its fuzzy search algorithm.
- Used Redis and Sidekiq to run background processes to improve user experience and database performance.
- Implemented localization throughout the different layers of the application for every language available.

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- Refactored the use of serialization in different API versions with an improved gem. The last gem was out of support.
 - Learning about database migrations and Query optimizations. Reduced database size by deleting indexes that Postgres didn't use.
 - Learn to maintain and improve a legacy codebase in an ordered and continuous manner.
 - How to reduce bugs in production.
 - Improve the culture of Code Reviews.

Syscap, Monterrey - *Back-End Developer*

JUNE 2019-DECEMBER 2020

- Back-end Developer.
- Learned a lot of good practices in Ruby on Rails application development with Rubocop, Brakeman, Rubycritic, Fasterer, etc.
- I worked with Apache's search engine: Solr.
- Experience with Git flow and scrum-based management.
- Experience in Behavior Driven Development with RSpec.
- Experience with promissory notes (IOU) calculations and their configurations: Simple, Capitalizable, and Redeemable.
- Architectural design of Core business logic: Intervals, Calculations, Interests, Monthly Cuts, Payments, Events, etc.
- Part of 500 Startups.

EDUCATION

Universidad Autónoma de Nuevo León, San Nicolás de los Garza. -
Ingeniería en Tecnología de Software.

JANUARY 2016-DECEMBER 2021.

PORTFOLIO

Github.- <https://github.com/pepetorres1998>.

Medium.- <https://medium.com/@pepe.torres.dev>