

# Jean Pier Chavez

Backend-Heavy Software Engineer | Ruby on Rails Specialist  Lima, Peru |   
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## Professional Summary

High-performance Backend Software Engineer specializing in complex query optimization and scalable schema design using Ruby on Rails and GraphQL. Proven track record of reducing production latency by 78% and modernizing monolithic architectures into Serverless solutions. Passionate about resolving N+1 bottlenecks, integrating critical APIs (Stripe, Twilio), and building robust infrastructure that supports business growth.



## Technical Skills

- **Backend Core:** Ruby on Rails 7, GraphQL, Node.js, Sidekiq (Asynchronous Jobs), RSpec (Advanced Testing).
- **Data & Infrastructure:** PostgreSQL (SQL Optimization), Redis, ElasticSearch, AWS (Lambda/Jets), Docker.
- **Frontend & Mobile:** React, Next.js, TypeScript, React Native, Expo.
- **Tools:** Git/GitHub Actions (CI/CD), ScoutAPM, Rollbar, AI-Augmented Dev (Windsurf, Gemini, Claude).



## Professional Experience

**ComunidadFeliz | Software Engineer II** | Mar 2023 – Present *Leading backend development for the largest property management platform in LatAm.*

- **Performance Optimization:** Reduced response times for the critical voting API by 78% by eliminating N+1 queries and optimizing memory usage (capped at 136k), significantly improving user experience during high-traffic events.
- **Real-Time Communication Infrastructure:** Architected the backend for a real-time VoIP calling system using **Agora** and **GraphQL**. Designed the complete database schema and implemented complex mutations and queries, enabling mobile applications to initiate calls and retrieve call history seamlessly.
- **Serverless Architecture:** Designed and implemented microservices using **Ruby on Jets** and **AWS Lambda** for massive notification dispatching, successfully decoupling the load from the main monolith.
- **Integrations:** Led the integration of the **Twilio WhatsApp API** for transactional notifications, directly increasing the collection rate of common expenses.
- **Code Quality:** Increased unit test coverage using **RSpec** and **FactoryBot**, resulting in a measurable reduction of bugs in production environments.

**GOJOM (YC W22) | Full-Stack Developer** | Mar 2022 – Feb 2023 *Product development for a PropTech startup accelerated by Y Combinator.*

- **Advanced Search:** Engineered high-speed property search features using **ElasticSearch**, enhancing property discovery and user retention.
- **Payments:** Integrated **Stripe** payment gateway to manage recurrent subscriptions and handle complex webhook events securely.
- **Full Stack Development:** Delivered end-to-end features utilizing Rails API for the backend and React for the frontend interface.

**Le Wagon | Teacher Assistant | Jul 2022 – Dec 2022**

- Provided technical mentorship in Ruby, SQL, and MVC Architecture to over 50 students, achieving an average satisfaction rating of **9.8/10**.

 **Education**

**Bachelor's Degree in Industrial and Systems Engineering** Universidad de Piura |  
*Graduated: 2020*

**Web Development Bootcamp** Le Wagon | 2022