

# Carlos A. Ramos K.

## Senior Software Developer / Tech Leader

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### SKILLS

Technologies					
Ruby	Elixir	React.js	Ember.js	Phoenix	Ruby on Rails
Others					
RabbitMQ	Rspec	jQuery	CSS	JSON:API	PostGIS
Gen-Server	OTP	Typescript	TDD	DDD	Linux/macOS
PostgreSQL	Mysql	Microservices	Docker	Web RTC	
Soft Skills					

Management, Mentoring, Ownership, Continuous learning.

### WORK EXPERIENCE

#### **Kopiustech.com, Kopius INC.** **Sr. Ruby Backend Developer**

**Remote, La Paz, Bolivia**  
**(May 2022 - current)**

Performance optimization, memory debloat, background processing, security upgrades, and bug fixes in a large legacy monolithic financial ERP & CRM.

Working with legacy code, I owned the new API JSON mobile from start to finish. Adding: JWT authentication, In-app messaging and SMS, in-app/native calls using Twilio API, push notifications, and improving the existing CRM system.

**Skills:** Twilio · Amazon S3 · Financial Reporting · Elasticsearch · Ruby · RSpec · Sidekiq · WebRTC · PostgreSQL · TravisCI.

#### **EMR-Bear, LLC.** **Senior Software Developer**

**Remote, La Paz, Bolivia**  
**(May 2020 - May 2022)**

Work in a built-in-house EMR System (Electronic Medical Record), moving to a SaaS service.

Develop and re-design the telehealth video-call center to make medical appointments remotely from doctors to patients during the pandemic, and work on legacy code to add new features and enhance response time, stability, continuous integration, and security.

**Skills:** Ruby on Rails · Rspec · MariaDB · jQuery · React.js · Docker · WebRTC · Twilio · GitHub actions.

**Zenlabs.**  
**CTO, Senior developer, Freelancer**

**La Paz, Bolivia**  
**(Sept 2011 – Current)**

CTO, Team Leader, and Sr. developer, I led all aspects, seeing growth and strategy for small and medium Latin American startups with a team of developers to bring high-quality software.

**Skills:** Ruby on Rails · Mysql · PostgreSQL · Rspec-Capybara · Web Sockets · Pusher.io · JSON · Mobile · AWS.

**Expedition.ws**  
**Full-Stack Developer**

**Remote, La Paz, Bolivia**  
**(Dec 2016 - Dec 2018)**

Social network for travelers focused on streaming interactions such as chat, geo-localization, videos, places, recommendations, and virtual tours.

As a Full-stack developer, develop APIs using Elixir, web sockets, social network features, geolocalization, multimedia processing with phoenix/OTP, integration to Ember.js, Progressive web app (PWA), and webworkers.

**Skills:** Elixir · Ember.js · PostgreSQL · OTP · Websockets · Mobile · TDD.

**Mojix.**  
**Senior Developer**

**La Paz, Bolivia**  
**(May 2015 Feb 2016)**

**PINC** Extensive legacy warehouse management system with IoT features for income/outcome of assets.

- Refactoring legacy code with an incremental implementation of DDD, focusing on fast responses to users.
- Work on transitioning slow monitoring of resources to a real-time-centric "Event Sourcing" approach.
- Design and implementation of interoperability of API's as Microservices.
- Improve reports and dashboards.
- Improve the test suite and general performance.

**Skills:** Ruby on Rails · PostgreSQL · Redis · Rspec · CircleCI · AWS · AWS SQS

**TeraCode.**  
**Software Developer**

**Buenos Aires, Argentina**  
**(Sep 2009 - May 2010)**

**Blueleaf**

As part of the outsourcing team, I developed features of the first version MVP of Blueleaf, Built requirements and tested with Rspec/TDD, and made integrations with third-party services using JSON, XML-RPC, and SOAP in a highly growing startup.

**Skills:** Ruby on Rails · Haml · Rspec · Mysql

**Freelancing**  
**Software Developer**

**La Paz, Bolivia**  
**(2006-2009)**

As an entrepreneur, I worked with Ruby on Rails to develop a Real estate startup idea.

Development of an online class booking system. The system generates student payment receipts, reports of classes, and accounting reports.

**Skills:** Ruby · Rails · Mysql

**EDUCATION**

2012 - 2007    **Bachelor Computer Science**    **Universidad Mayor de San Andrés**

**LANGUAGES**

**Spanish:** Native

**English:** Upper-Intermediate

**HOBBIES**

photography

draw