Carlos Ramos

Senior Software Developer / Tech Leader

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Highly technical Software Engineer with a strong background in solving business problems for clients through innovative solution design and development. Skilled in project ownership, legacy system optimization, scalability, and performance, with a proven ability to drive projects from start to finish while meeting or exceeding business objectives.

WORK EXPERIENCE

Kopiustech.com, Kopius INC.   Remote, La Paz, Bolivia
Sr. Ruby Backend Developer   (May 2022 - current)

A comprehensive, legacy, multi-faceted ERP and CRM system designed for large-scale organizational use cases.

- Analyze and optimize slow requests of the legacy app to ensure the continuity of business. Debloated memory consumption for production/test servers and improved report generation and storage, saving ~50k USD AWS annual costs.
- Owned the new mobile backend API, with real-time messaging, and in-app/native mobile calls, delivering a solid mobile app to 1k users, integration with React Native/Expo.
- Engineering Support and tooling.
  Skills: Twilio · Amazon S3 · Financial Reporting · Elasticsearch · Ruby · RSpec · Sidekiq · WebRTC · PostgreSQL · TravisCI.

EMR-Bear, LLC.   Remote, La Paz, Bolivia
Senior Software Developer   (May 2020 - May 2022)

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

- Deliver a telehealth video call feature during the COVID pandemic, helping thousands of people.
- Worked on legacy code to add new features, set up CI/CD, worked on test coverage from none to 50%, and increased app security.

  Skills: Ruby on Rails · Amazon S3 · Rspec · MariaDB · jQuery · React.js · Docker · WebRTC · Twilio · GitHub actions.

Zenlabs.   La Paz, Bolivia
CTO, Senior developer, Freelancer   (Sept 2007 – Current)

As a CTO, Team Leader, and Senior Developer, I led all aspects, driving growth and strategy for small and medium-sized Latin American startups, working with a team of developers to deliver high-quality software. One startup received a seed round of $50K in a startup accelerator.
  Skills: Ruby on Rails · MySQL · PostgreSQL · Rspec-Capybara · Web Sockets · Pusher.io · JSON · Mobile · AWS.

Expedition.ws   **Remote, La Paz, Bolivia**
Full-Stack Developer   **(Dec 2016 - Dec 2018)**

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

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.   **La Paz, Bolivia**
Senior Developer   **(May 2015 Feb 2016)**

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

- Transitioning from static monitoring of assets to a real-time-centric "Event Sourcing" for 50k connected assets.
- Design and implementation of interoperability of API's as Microservices.
- Improve performance of reports and dashboards, test suite, and setup CI/CD.

Skills: Ruby on Rails · PostgreSQL · Redis · Rspec · CircleCI · Amazon S3 · Amazon SQS

TeraCode.   **Buenos Aires, Argentina**
Software Developer   **(Sep 2009 - May 2010)**

Blueleaf

As part of the outsourcing team, delivered features for the first production version 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

SKILLS

Technologies

Ruby, Elixir, React.js, Ember.js, Phoenix, Ruby on Rails.

Others

RabbitMQ, Rspec, jQuery, CSS, JSON:API schema, PostGIS, Gen-Server, OTP, Typescript, TDD, DDD, Linux/macOS, PostgreSQL, MySQL, Microservices, WebRTC, WebSockets.

Soft Skills

Management, Mentoring, Ownership, Continuous learning.

EDUCATION

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