

Building a Scalable Web Application?

Hire Full-stack RoR Developer



www.bacancytechnology.com

Why We Have Created this Pocket-friendly eBook

Our clients often ask why we give special attention and love RoR more than any other framework. More specifically, they want to know our skillful expertise in Ruby on Rails and want to understand what other development possibilities could be discovered adopting Ruby on Rails. Reasonable enough, they want to understand how embracing RoR will help them get stable, scalable, and quality products.

Questions about the full-stack Ruby on Rails developers are comparatively new. So we've brought together all our skilful expertise and prepared this pocket-friendly guideline to help you understand why you should hire full-stack Ruby on Rails developers when it comes to building scalable web applications. We'll describe how to hire, from where to recruit, and the benefits of hiring a full-stack RoR developer.



Quick Introduction: Ruby on Rails

Many of you are lost in the labyrinth of technologies while finding the ideal match for your next web application. Ruby on Rails has proved its worth by a successful 14-year track of blockbuster web applications by the leading companies like Netflix, Airbnb, GitHub, Fiverr, Crazy egg, and more.

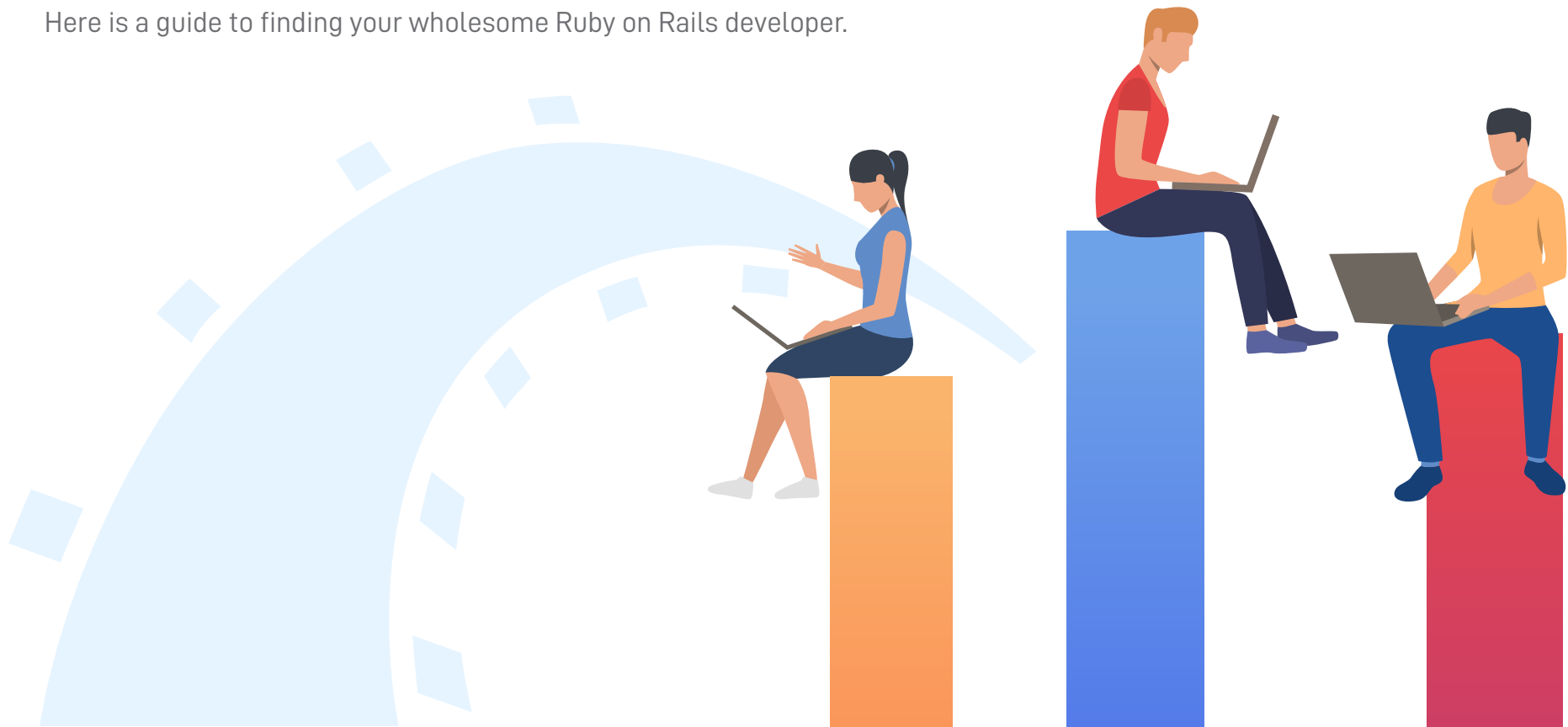
David Heinemeier Hanson created Ruby on Rails, and he extracted it from his work at Basecamp. It was open-sourced in 2004 and has kept growing and evolving ever since. There are only 12 team members in its core development team, along with hundreds of open source contributors. Altogether they have attained success as RoR approaches its fifth version release. Today, thousands of developers across the world use Ruby on Rails.



Community Size

The Rails community is quite big and is constantly growing. Currently, there are more than 5500 contributors on the official [Ruby on Rails Community](#), 76,118 commits on [GitHub](#), and over [2,385,729 websites](#) are built on Ruby on Rails out of which 953,773 are live sites.

Here is a guide to finding your wholesome Ruby on Rails developer.



What is Full-stack?

Full-Stack means the entirety of something; here, it means the totality of computer programming. A full-stack developer works on frontend as well as backend development. Frontend means user-facing technologies like HTML, CSS, and Javascript, etc., whereas, backend means server-side programming with PHP, [Ruby on Rails, Python](#), etc.

Hence, a [full-stack developer](#) can look after everything ranging from the database, administration tasks, networking issues, server-side handling, to application UI.



What is Full-stack Ruby on Rails developer?

RoR is a server-side web app framework that offers libraries for both frontend and backend development. Ideally, a full-stack Ruby on Rails will have competencies for:



Frontend Technologies

like HTML and other HTML-generated markup languages such as ERB, HAML, SLIM, or Liquid, CSS (SCSS, SASS, LESS), or some basic idea about design code, JavaScript, or any of its frameworks like React, Angular, Node, Ember, Kendo, etc.



Database

MySQL, MongoDB, Oracle, Postgres SQL, CouchDB, etc



Backend

apart from the expertise on the few latest releases of Rails, a full-stack ruby on rails developer must be experienced on Rack, loading mechanism, configuration, ActiveSupport, ActiveRecord, etc.



Other

an excellent full-stack ruby on rails developer also must have some basic understanding of networking essentials, ability to deploy an application, and some knowledge on the web infrastructure.

As you are hooked on this eBook for creating scalable RoR applications, let us comprehend what scalability actually means.

What are Scalable Applications?

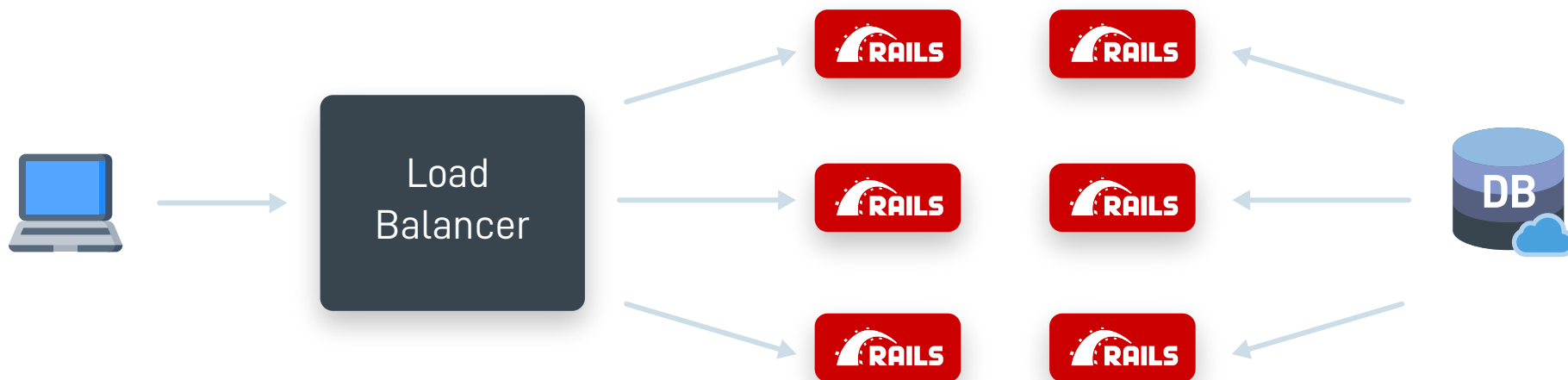
Scalability is the ability of a website to handle its growing user-base and manage their requirements by altering resources available. Hence, applications that can efficiently scale in future are known as Scalable Applications.

Can I Build Scalable Web Apps using Ruby on Rails?

Ruby on Rails is a web framework, and ideally, a framework can not be scalable, but the entire application server architecture is responsible for scaling an app. Preferably, in a simple Rails architecture, there is only one concurrent request, but we have evolved our systems with load balancers that distribute incoming requests.

The answer to your question- is Ruby on Rails scalable? "Yes, it is." The architecture creates rails instances equal to the number of concurrent requests. These instances handle all the requests. The load balancer distributes all the applications and handles some static requests on their own.





Tips to scale your RoR Application:

- Use the right Gem for scalability, like bullet or rack-mini-profiler, to identify problems instead of extra memory allocation.
- Use the modular approach by taking the service-oriented architecture that enables load-distribution.
- Write simple code as it will save you big bucks in the future.
- Use Garbage collectors like CRuby, JRuby, and Rubinius for memory management.
- For database scalability, use Caching, Memcached, and Redis.

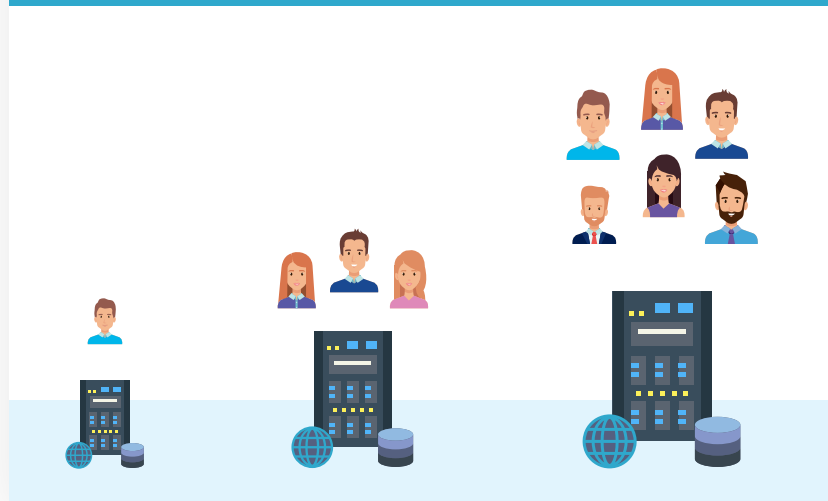
Apart from these methods, you can scale your larger web projects in two ways:

Vertical Scaling

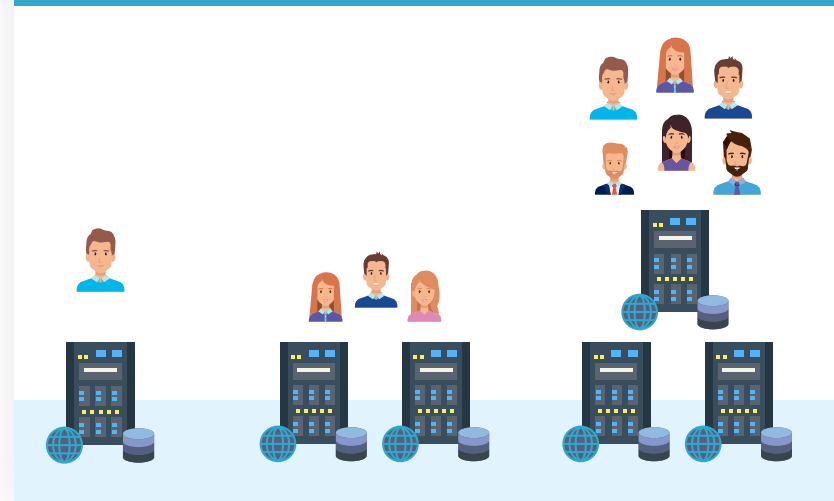
Scaling an app vertically is the simplest way for an RoR application server to handle multiple requests per minute (RPM). In this method, you empower your computer with more RAM and upgrading your server processor. Hence, you can enable to customarily scale some parts of your application, as you may need.

The best example to understand vertical scalability is Facebook. Facebook requires to run multiple tasks simultaneously, like processing images and news feed. Here, it needs more powerful servers for news feed as compared to image processing, and it allocates more computation power for refreshing the news feed.

Single Host Vertical Scalability



Single Host Horizontal Scalability



Horizontal Scaling

In this method, you convert the single-server architecture of your application into three-tier architecture, where the Rails app instances, database instances, and servers and load balancers are located on different servers. This way, loads are distributed among different machines.

You can apply horizontal scaling using Nginx server software, App instances, and Database instances.

Tools to Scale Your RoR Application:-

Some dedicated software effectively eliminates scalability bottlenecks. You can use New Relic, Flame Graphs, Splunk, StatsD, etc. to scale your RoR App.

Every project indeed has its custom requirements so you must choose a technology that can be scalable with time. An expert Full-stack Ruby on Rails developer can quickly scale your application as and when required. It's both the web framework and the developer that makes your app a success.

You might be wondering, where would you get such a polished developer?

Where can I Hire a Full-stack Ruby on Rails Developer?

Finding the right candidate for the job is like an expensive dream; many of you are unable to find out. But, here are the secrets to get through it.

Hire Offline

Living in a digital world, we have forgotten the traditional modes of hiring. Let me refresh them in front of you.



Ruby on Rails Meet-ups

Conferences and Meet-ups are an aspiring place to be for enthusiastic Ruby on Rails developers. As you too are interested in the technology, go and meet the others in the community. There are a good number of chances that you find an ideal match to fit as your full-stack Ruby on Rails Developer.

Coworking Spaces

Coworking spaces are the best place for networking. You never know who works on the table next to yours and what if they are a master Ruby on Rails expert. Grab the opportunity to say hello to an unknown Ruby on Rails developer during your hi-tea today.



Hackathons

Competitions are always exciting, and where else can you find your champ Ruby on Rails programmer other than a fascinating hackathon. You can approach a developer directly if you like.

Hire Online

As you refrain from all other efforts, the easiest way to hire a full-stack Ruby on Rails developer is right in front of you, through your computer screens. Yes, online platforms provide ease for hiring developers. Hiring a developer from renowned organizations will make a difference.



Developer Communities

Niche developer communities like GitHub, StackOverflow, and Reddit are excellent platforms when you are looking for tech support of the tech talent itself. You may also find full-stack Ruby on Rails developers on Angelist.



Augmented Teams

If you are looking for an extended arm to augment your existing team of RoR developers as per the evolving project needs, then you can hire them in-house at your convenience. Whether you want to hire a single developer or plan to set up a cross-functional dynamic RoR team – leverage the benefits of Ruby on Rails Team Augmentation model to fulfil your unique business requirements. Outsource your choice of developers at your ease.



Ruby on Rails Development Services @ Bacancy Technology



ROR Integration with Front-end Technologies

We are obsessed with developing secure, scalable, and high-performance ROR applications using the most advanced front-end Javascript frameworks like ReactJS and AngularJS.



Continuous Integration and Deployment

To maintain the integrity of the codebase, we follow continuous integration. Our ROR developers firmly follow the Agile principles to keep the code in deployable condition.



Agile and Lean Process Execution

We ensure that our ROR developers are confirmed with agile processes. This assures that our clients and product owners get the fastest product development with high quality and great productivity.



Pair Programming With ROR

After coding over half of a decade in rails, we have come to know that writing code in pairs boosts overall productivity, encourages diversity of thought, and produces a higher quality of work.



Rails on Docker: Containerisation

Leverage the benefits of environment parity, portability, and instant fail-over by migrating your app to the docker container. We have in-depth knowledge and skillful expertise in configuring everything to take the benefits of Docker.



Ruby on Rails Service and Maintenance

Our Ruby on Rails service and maintenance includes bug-fixes, framework upgrades, continuous monitoring, ruby on rails consultation, and bug fixes for the enhancements for your application.



Benefits of Hiring Dedicated Full-stack Ruby on Rails Developer



White Label Partnership

Once you sign a deal with Bacancy, you get all our Ruby on Rails Services under your brand-name. You avail the best of our Ruby on Rails experts so that they meet your business goals.



Offshore Development Center

The Offshore Development Center ODC model is a powerful way that companies across the globe are accepting to reduce their development costs and deliver projects on-time. Our ODC in India is serving as a dedicated centre where your hired full-stack Ruby on Rails developers work virtually within your company.



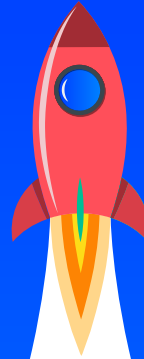
NDA

Bacancy technology signs a Non-disclosure agreement NDA with your company as you hire Ruby on Rails developer from us. Our programmers keep all your business data and information confidential and protect your resources.



Industry-standard Tools

We use industry-standard Project-management tools like Jira Slack and Trello so that your business can propel to greater heights. It helps you attain new products, services, and categories faster than before.



Ready for Takeoff?

As you now know, there are numbers of benefits that your business can avail hiring full-stack Ruby on rails developer from us. Leverage our feature-rich [Ruby on Rails Development Services](#) to get your business off the ground and bring the expected result.



At Bacancy Technology, we have top-of-the-line expertise in combining a possible number of front and back end technologies like React + Rails, Angular + Rails, Vue+ Rails to build scalable web architectures, so you don't have to worry about scalability and flexibility. Hire Ruby on Rails developers to leverage our feature-rich Ruby on Rails Development Services.

 **USA****Bacancy Technology LLC**

- **Florida**

1111 Brickell Ave Suite 175
Miami, Fl. US 33131

 **CANADA****Bacancy Technology Inc**

- **Toronto**

71 Dawes Road, Brampton,
On L6X 5N9, Toronto

 **INDIA****Bacancy Technology Pvt Ltd**

- **Ahmedabad**

1207, Time Square, Thaltej-
Shilaj Road, Ahmedabad

 **UAE****Dubai**

- 1608 Clover Bay, Business Bay, Dubai, UAE. PO Box 62049

 **AUSTRALIA**

- **South Australia**

351A Hampstead Rd,
Northfield SA 5085

- **Ahmedabad**

201, Shukan Complex,
Thaltej-Shilaj Road.,
Ahmedabad

- **Pune**

2nd Floor, Marisoft-1,
Marigold IT Park, Pune

 **SWEDEN**

- **Hagersten**

Junkergatan 4, 126 53
Hagersten