

## Why hire a Backend API Developer?

You need a backend developer to develop the backend of a modern decoupled web application. A decoupled application is one where backend and frontend are developed separately and they also run in separate processes.

In a web application, the backend constitutes the APIs. An API takes the internal request from the front end interface, connects database server or other servers for data, processes data and returns the data ( normally in JSON format) to the front end. A backend developer designs the system and writes necessary codes to make it happen.

Though you will find people who are expert in both (full stack developer) but most of the developers are expert either in backend or in front end. The tools and technologies for backend and front end development are also different. So if your project is big enough it makes sense to hire a separate backend developer.

## Backend Tools & Technologies

The most popular backend technologies for developing web applications is PHP frameworks. The most recommended is Phalcon microframeworks. It is well known for its exceptional performance as core is written C programming languages. You can also use Laravel & Yii.

As a non PHP frameworks most popular is Node.js with Express. It is Javascript based back end technology and allows writing asynchronous scripts. This leads to much higher performance.

For storing data you can use any database but the most recommended are PostgreSQL or MongoDB. MongoDB is best for huge data manipulation but reduces the speed of development to some extent. PostgreSQL gives all advantages of RDBMS at the same time it can withstand huge load. It is free too.

## How will a Backend API Developer help you?

1. Discuss with with product owner and finalise the functional requirements at story level
2. Provide technical solutions - Analyse further and convert the story into proposed software units: use cases, interfaces and interface items, database entities, internal data flow. In a bigger system this part is likely to be done by a separate person called system analyst.
3. Finalise the nonfunctional requirements with product owner and test analyst
4. Finalise the TDD points (coding logics as test case units) associated to every objects (interfaces, interface items, fields, actions etc)
5. Finalise the database and code plan
6. Coding and debugging to develop the backend of your web application as defined. Mainly the APIs to be used by the front end developers
7. Unit testing & functional testing
8. Do the performance testing and other non functional testing as defined in test cases
9. Delivering to product owner and/or to test team
10. Help product owner to do the acceptance testing
11. Fixing reported defects at the server side

12. Reporting as required

## Skill & experiences of a Backend API Developer at RP

1. Intelligent, analytical and logically strong
2. B. Tech or MCA or equivalent qualification
3. Good communication skill over email and skype
4. Organised & have good documenting skill
5. 5-9 years experience in web development
6. Strong in relevant backend technologies (PHP frameworks or MERN Stack)
7. Good command over database & SQL
8. Have additional command on HTML/CSS/ Javascript to take care front end issue too if required

## How much does it cost?

The cost is too reasonable. Dedicated hiring starts at 1 \$1200 only. Hourly rates start with \$10 only. However cost is likely to be higher with increase in experience, skillset and past track record

## Tips for hiring a Backend API Developer

We recommend hiring a separate dedicated backend developer for a new project and that requires a team. If your project is small or it is in maintenance mode you can hire a full stack developer who can take care both frontend and backend. You can also have a dedicated backend developer for an ongoing project when the team is quite bigger. Hiring a backend developer on part time should be avoided.

## Why hire a Backend API Developer from India?

The single biggest reason is the cost. You can get the same project done at 1/5th or even lesser price if you hire from india.

## Why hire from Remote Programmer?

- We add Lean & DevOps values to your application

Toyota became world leader in car manufacturing by practicing Lean. Leading businesses today do DevOps (the successor of Lean) automation to minimize the waste. We too can help you in this regard.

- **TDD checklists to ensure Built-in-Quality**

Quality not defined is quality denied. There are some core qualities those must be introduced in the design phase, can never be added after QC process. We add these built-in-quality through TDD checkpoints.

- **Agile platform covering both product and project life cycle**

Most of the project management software takes care of the project life cycle only. Our project cum product management system automates the CMMI processes in agile perspective throughout the product life cycle (PLC).

- **Integrated Requirement Management System**

Our system includes a built in agile requirement development and management system. It helps both you and the developer to extract the software requirements easily in the format that a developer actually needs.

- **Integrated Change Management System**

Change is a must to stay in business. A change can be a bug, an missed out requirement, an improvement or simply a new addition. To report, manage and document a change is important. Our system process takes care of it.

- **Integrated Test Management Platform**

Without a proper testing (verification and validation), there is a little chance that all the functional and non functional requirements will be there in the delivery. We have a built-in system and process to take care of it.

- **System Documentation in the background**

Project execution is one time job, but the delivered product requires future maintenance. It can be too painful if the system logics, flow diagrams, use cases, changes are not documented. We do it in the background.

- **No unpleasant surprises - Estimate Change History**

The fact is, most software projects run in late. There can be many reasons but only one solution. Know the reasons at earliest and act accordingly. We provide anytime estimate change report to act before it surprises you.

- Full team support lead by 15+ years exp experts

We have several 15+ years experienced experts who guide the developers in defining the product, processes and design the architecture as required. You get the standards set by the experts but implemented by developers.

- Defined quality delivery at low India price

This has been possible because of the availability of high quality skills at India price together with agile practices, process automation, integrated test management with TDD checklists, 5S verification and finally ethical practices.

- Web Development since 1999

We are on web since 1999. In 2004, we developed our own MVC framework in PHP. We work with stable frameworks like Yii/Laravel/Phalcon (PHP), d-jango (Python), Express/Node.js and React.js / React Native (Javascript).

- Future Support Ensured - by default

We provide future support. Even if you come back with a small change. **Client stay with for years.** Most of our clients are with us for more than 5 years. The main reason we would like to grow with our clients.