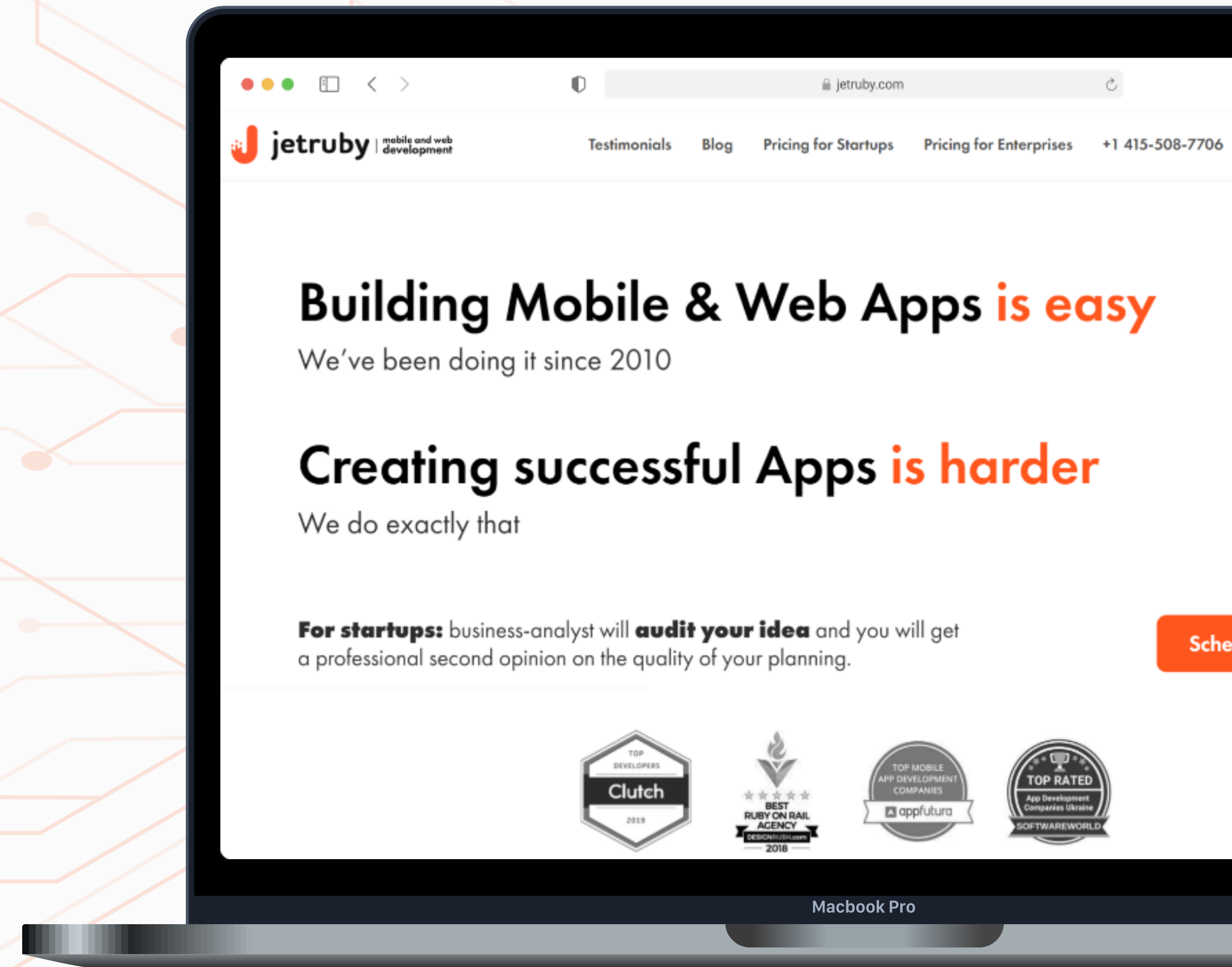




#CodeAudit

The Code Audit

The FREE service for our clients to make your codebase solid and secure.





Are you facing one of these **common scenarios**?

If so, how do you know your codebase works properly and meets current industry standards? Or that if you change your existing code, you won't end up breaking something else? If you haven't done a **code audit**, then you probably **don't**.

- Planning to build a new feature for your app
- Inspecting a codebase that has not been looked at in more than two years
- Scaling your application
- Looking for a new development team
- Assessing an app that you want to buy
- Fixing software bugs before selling your app
- Finding security vulnerabilities in your codebase and wondering how to get them fixed
- Enhancing the performance and responsiveness of your application
- Improving your application's maintainability

You may ask

“Why do you care if I get my code audited?”

That’s our BUSINESS. We want to help you save TIME and MONEY.

Allowing a software development professional to audit your code before you take any significant steps with your app will do the following when planning its development:

- Reduces the development costs of your app’s update and maintenance
- Stops you from breaking your app and having to spend money and time to fix it
- Secures your code by identifying security vulnerabilities
- Improves the performance and maintainability of your app
- Ensures your customer’s trust in your company’s brand
- Increases the chances of a successful sale of your application for the highest profit
- Validates the skills of a software development team you may want to partner with
- Keeps you from wasting money purchasing a poorly developed application

A JetRuby system Architect can complete a **FREE*** code audit for you in 4 easy steps:

01

Sign work and NDA agreements with us

02

Provide us access to the codebase

03

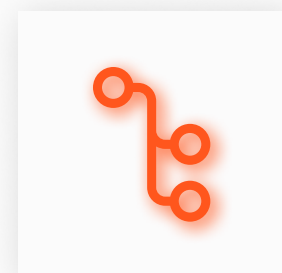
Practice patience for up to 7 business days

04

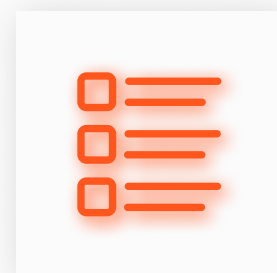
Review the audit results with one of our system architects

* Because of the time and resources required, we reserve the right to charge for auditing larger, more complex projects. If in doubt, please check with our team first to confirm we can indeed offer a FREE code audit for your project.

Our code audit will include:



An outline of recommendations to align your codebase to industry standards



A list of your code's bug types and an outline of your project's issues and vulnerabilities



Our estimate to resolve the problems we find in your code

Are you wondering

“Is this worth my time?”

Our client Vimify certainly thought so.

Project Overview

Vimify was an existing app owned by an LA software development firm. The app provides self-improvement resources, self-improvement coaching, and a community for its users. When Brian, the current owner, was considering the purchase of Vimify’s codebase, he wanted a review of the codebase to make sure it was a worthwhile investment. In addition, he wanted to ensure the scalability and maintainability of the code after he bought it. So, Brian asked us for our expert opinion on the feasibility of improving the current codebase and requested an estimate for the work and cost required to get Vimify ready to go live. Finally, he planned to use the information he obtained from our code audit to inform his negotiations to purchase the application and its user database.

Problem

01

Vimify’s backend code had only a 57% score in its coverage rate test results. That meant only 57% of the codebase’s executable code was working correctly. The code’s coverage test rate had to be at least 80% to add features to the app. The system architect attributed the low coverage rate to all of the bugs in the code.

02

The codebase was also not secure. From JetRuby’s testing, the systems architect discovered 33 security issues in the code. The biggest security issue was that the application was vulnerable to SQL injection (SQLI) attacks. Hackers have used SQLI attacks in several hacking incidents in the recent past. Victims of these attacks have included Target, Yahoo, Zappos, Equifax, Epic Games, TalkTalk, LinkedIn, and Sony Pictures.

03

The mobile part of the application uses slow and out-of-date legacy technology to install and load the application onto mobile devices.

Solution

JetRuby's systems architect provided Brian with an estimate for fixing and stabilizing **Vimify's backend code based on the code audit**. This estimate also factored in labor required to ensure that the main business logic in Vimify's code had full coverage in its testing.

To update Vimify's mobile functionality, the systems architect **provided a road map for that leg of the project**. He recommended that the developers port the mobile app to either React Native or Progressive Web App (PWA). The architect's solution would ultimately depend on the app's compatibility with the Google and Apple app stores after JetRuby's developers completed the web app update.

Furthermore, the system architect suggested making Brian's goal of adding **new features**, improving Vimify's UX/UE, and making updates to the app's front end part of the next project phase.

Result

JetRuby's conservative estimate of 200 hours to complete all the initial work fell well within Brian's budget and timeline to complete the purchase of Vimify from the seller and get Vimify live.

The estimate also provided Brian with the necessary information to **negotiate a better price** and **successfully purchase the Vimify app**.

Brian ended up buying Vimify and JetRuby completed and helped scale his new app to go live.



Are you ready to give your digital enterprise the attention it deserves?

Contact us. You'll be glad you did.



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