



## Success Story.

# PHP Based Web Portal Development For Real Estate Listing Firm

### About the Client

Client provides online platforms, tools, and services to help brokers, real estate agents, and consumers to network, advertise and transact in real estate listings and purchases. Client's primary customers include brokers, real estate agents, housing service providers, and consumers.

### Business Challenge

The client carried out its real estate services, such as, mortgage and document processing, through manual efforts and a set of disparate software tools. This was a time-consuming and unorganized job. The client wanted to streamline its daily operations, and aggregate all processing related workflows in one single application.

### Silicus Solution

Silicus developed a web application in PHP 5.5 on CodeIgniter and hosted it on Amazon EC2. The application offered a platform for client's customers (contractors, vendors, service providers such as plumbers, etc.) to network, bid, or team up for projects.

The application was made responsive on desktops, tablets, and mobiles by leveraging Bootstrap. Modern UI with inline editing smoothed the portal navigation and content editing. The application was made secure leveraging the Rijndael 256 encryption method.

Silicus developed custom web parts to digitize serviceable features such as document and task management. A Google Drive like feature was set up to drag, drop, and upload documents from a local machine to a server.

The team developed a highly intuitive and user friendly events calendar to plan and organize events.

Silicus completed the following feature enhancement, adding to the application usability:

- DocuSign facilitated digital signatures
- IMAP (Internet Message Access Protocol) enabled unified email access from within the application
- Email notifications via SMTP
- Improved application performance by enabling:
  - Automatic connection to email servers via email caching
  - Frequent email downloads from server via Crons

## Technologies Used



### LANGUAGE

PHP 5.5, HTML5, CSS3, jQuery



### FRAMEWORK

Bootstrap (UI), CodeIgniter (backend)



### SERVER

Apache 2.2 (web app), MySQL 5.5 (database)



### OPERATING SYSTEM

Linux



### IDE

NetBeans



### SOURCE CONTROL

#### MANAGER

GitLab



### DEPLOYMENT INTEGRATION

Jenkins



### DEPLOYMENT PLATFORM

Amazon EC2



### 3<sup>RD</sup> PARTY INTEGRATION

DocuSign (digital signature),  
IMAP library (emails)

## Client Benefits

### IMPROVED WORKFORCE PRODUCTIVITY:

Successful integrations with DocuSign and IMAP library digitized and automated manual tasks and activities.

### USER-FRIENDLY INTERFACE:

More, clean and intuitive UI using inline edit features gave users easy and smooth portal accessibility.

---

2700 Post Oak Blvd, Suite 1625 | Houston, TX 77056 | [www.silicus.com](http://www.silicus.com) | (866) 912-8855 | [info@silicus.com](mailto:info@silicus.com)

• Houston, TX • Dallas, TX • Atlanta, GA • San Jose, CA • Newark, NJ • Columbus, OH • Pune, India

© Copyright 2016 Silicus Technologies, LLC.