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Get with  
the IT  
crowd



## Software

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Creation and  
integration

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**General**  
Brochure

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# Software

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## Table of Contents:

1. Introduction
2. Technical Capability
3. Examples of software development on a framework



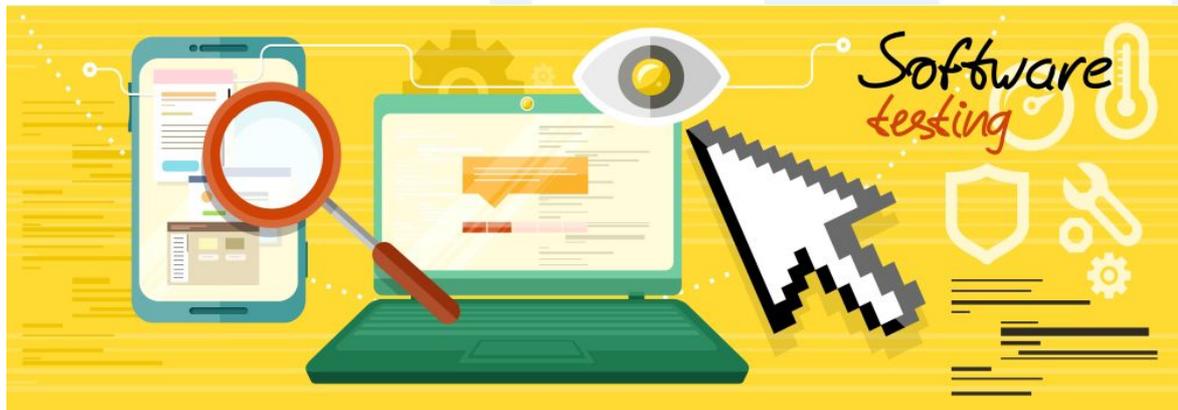


## Introduction

Brindley Data Services have been writing software for the last 14 years initially developing our own billing system and commercial telephone server platforms. We have a lot of experience of developing complicated software that can be developed and supported in the real world. The art of software development is not just in technical coding skills but in its project management. Primarily in the development of a detailed product design specification but also in the involvement of the client and managing their expectations along the development pathway. There will be no surprises at the end of the project as the client is involved in the whole process and as such it will reflect accurately their aspirations from the outset.

Many software development companies leave 'Grey areas' in the product design specification and this is an opportunity to extract more development time and money from the project. Brindley make sure that our 'PDS' is exact and if the scope changes from the client we can manage this change and price for it accurately. When this change of scope is approved we will then roll the changes into the main line 'PDS' and carry on the development.

The success of our relationship is clarity. You have no financial surprises and we will make you a part of the development process to ensure success for both of us.



## Technical capability

### LAMP stack development

We develop web based applications on the latest Linux based platforms. Depending on the scope of the software we will tailor make the platform fit to ensure the optimum performance.

### Languages

We will assess which coding language best suits the project depending on the scope. Our engineers are happy to work in in PHP, C++, Javascript, J-Query, Html5, Google apps script, Sql and linux scripting languages.

### Framework

All of our larger software developments are built on either Zend, Symphony or Laravell which incorporate MVC (Model view controller) to optimise performance and compatibility. To reduce development time further we can build around front end frameworks like Bootsrap and W3CSS.

### Integrations / Migrations

We work in a number of different ways , maybe you just need us to integrate your existing system into another system or perhaps you are moving from one system to another and you need to migrate your data. We will manage and deliver these projects for you end to end.

### Mobile applications

If you need your system extending to a mobile application either native, hybrid or web referred application, we can develop apps for Android and IOS, producing a detailed product design spec and storyboarding it before going onto development.



## Software

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### Technical capability .... Cont

#### **UI / UX Design (User Interface / User Experience)**

The software user interface and user experience is extremely important especially in a competitive market. This may be the difference between clients staying with you for the long term or going to a competitors platform that is easier to use. Let us work with you to develop the very best experience for you and your clients.





## Examples of software development on a framework

The screenshot shows an IDE with a project structure on the left and a REST Client interface at the bottom. The REST Client shows a PUT request to `http://homestead.a/api/departments/d005` with a response of `{\"data\": {\"id\": \"d005\", \"name\": \"DevOps\"}}`.

```

45 }
46 }
47 /**
48  * @param $id
49  * @return array/mixed
50 */
51 public function show($id) {
52     $department = Department::where('dept_no', '=', $id)->first();
53     if($department)
54         return $this->respondWithItem($department, new DepartmentsTransformer());
55     else
56         return [];
57 }
58 }
59 /**
60  * @param $id
61  * @return mixed
62 */
63 public function update($id) {
64     $dep = Department::where('dept_no', '=', $id)->first();
65     $dep->dept_name = \Input::get('dept_name');
66     $dep->save();
67     return $this->respondWithItem($dep, new DepartmentsTransformer());
68 }
69 }
70 /**
71  * @param $id
72  */
73 public function destroy($id) {
74     Department::where('dept_no', '=', $id)->first()->delete();
75 }
76 }

```

The dashboard shows a list of applications: Joomla, Magento, WordPress, and ZendDemoApp. The Events Breakdown pie chart shows: Resources: 1.85%, Performance: 16.7%, and Errors: 81.5%. The Requests Per Second and Avg. Response Time graphs show data for 11 Jun. Below is a table of recent events:

!	Count	Event ID	Name	Last Occurred	Application	Summary	Code Trace	IDE Actions
■	1	10	PHP Error	Today, 10:06:07	ZendDemoApp	Function php_error_generator::generate_event() caused a PHP error	show	▼
■	1	6	Slow Function Execution	Today, 10:06:05	ZendDemoApp	Function exec() took 2111ms		▼
■	1	5	Database Error	Today, 10:06:03	ZendDemoApp	Function PDO::exec() returned false		▼
■	1	17	Slow Request Execution	Today, 11:01:35	Joomla	Request to http://10.9.112.209:80/joomla/index.php/about took 3115ms		▼
■	1	16	Slow Query Execution	Today, 10:59:54	Magento	Function PDOStatement::execute() took 1219ms at catalog   category   view		▼
■	2	15	Slow Request Execution	Today, 10:59:55	Magento	Request to http://10.9.112.209:80/magento/sale.html took 2671ms at catalog   ca...		▼
■	1	14	Slow Request Execution	Today, 10:52:47	Magento	Request to http://10.9.121.62/magento/customer/account/login/ took 2199ms at ...		▼
■	1	13	Slow Request Execution	Today, 10:09:03	Magento	Request to http://10.9.121.62/magento/ took 3478ms at cms   index   index		▼
■	1	11	Slow Request Execution	Today, 10:06:07	ZendDemoApp	Request to http://127.0.0.1/demoapp/mtrig.php took 4249ms		▼

