Complex interfaces for simple problems





Friday, April 5, 2013

Jen Lampton @jenlampton on twitter ''jenlampton'' <u>http://drupal.org/user/85586</u> <u>www.jenlampton.com</u>

if you forget my name, just Google "Drupal developer"

Jen Lampton

Building websites with Drupal since 2006



Jen Lampton

Building community around Drupal since 2007





Jen Lampton

Building modules for Drupal since 2008

1	php-</th
2	-
3	/**_
4	* @file-
5	* This module enables an administrative dashboa
6	*/_
7	
8	<pre>include_once('includes/total_control.inc'); -</pre>
9	include_once('includes/total_control.views_defau
10	-
11	<pre>define('TOTAL_CONTROL_REQUIRED_PANELS_API', '3')</pre>
12	<pre>define('TOTAL_CONTROL_REQUIRED_VIEWS_API', '2');</pre>
13	// This is the name of the dashboard as the page
14	define('TOTAL_CONTROL_DASHBOARD_PANEL_NAME', 'da
15	<pre>define('TOTAL_CONTROL_MINIMUM_VERSION', 2);-</pre>
16	<pre>define('TOTAL_CONTROL_VERSION', 2);-</pre>
17	

Jen Lampton Building training on Drupal since 2010



Jen Lampton

Improving user experiences with Drupal since 2011



Nick Rosencrans Usability Consultant University of MN



Chad Fennell Web Developer University of MN

Angela Byron

Director of Community

Development

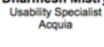
Acquia



Interaction Designer



Dharmesh Mistry Acquia





Jen Lampton Director of Training Chapter Three



Brad Bowman Principal Bitnik



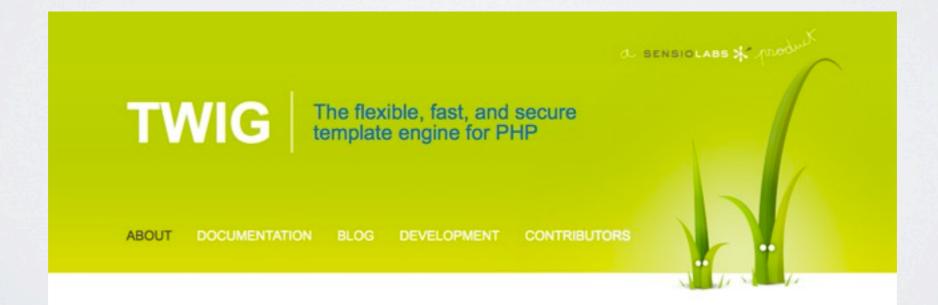
David Rothstein Drupal Developer Acquia



Erika Stenrick Creative Lead Gorton Studios

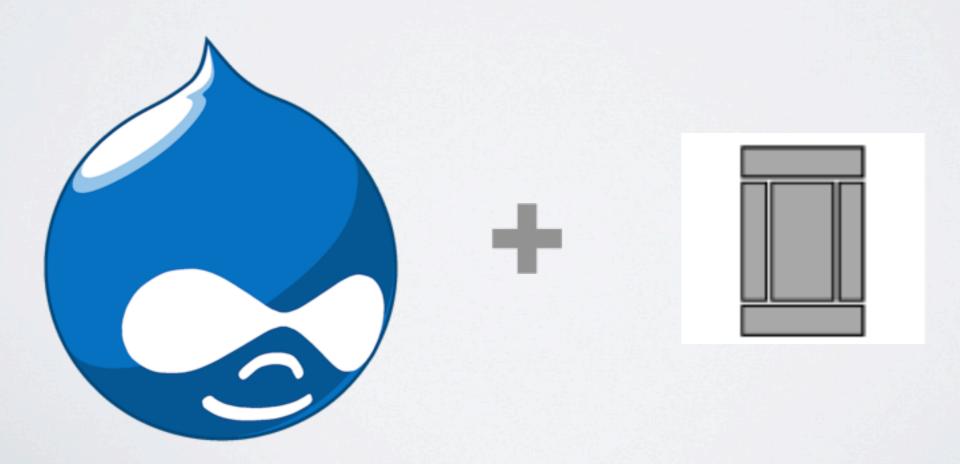
Jen Lampton

Improving the theme layer for Drupal since 2012



Jen Lampton

I <3 Drupal. I <3 Panels.



who are you?

who are you?

Building websites with Drupal for less than I year?

who are you?

Building websites with Drupal for less than I year? Building websites with Drupal for more than I year?

who are you?

Building websites with Drupal for less than 1 year? Building websites with Drupal for more than 1 year? Building websites with Drupal 7?

who are you?

Building websites with Drupal for less than 1 year? Building websites with Drupal for more than 1 year? Building websites with Drupal 7? Built websites with Drupal 6?

who are you?

Building websites with Drupal for less than I year? Building websites with Drupal for more than I year? Building websites with Drupal 7? Built websites with Drupal 6? Have tried panels before?

who are you?

Building websites with Drupal for less than I year? Building websites with Drupal for more than I year? Building websites with Drupal 7? Built websites with Drupal 6? Have tried panels before? Use panels all the time?

Once upon a time...

Once upon a time...

every page on your site used the same layout

	Home + Administer + Site building	
Left sidebar	Content	Right sidebar

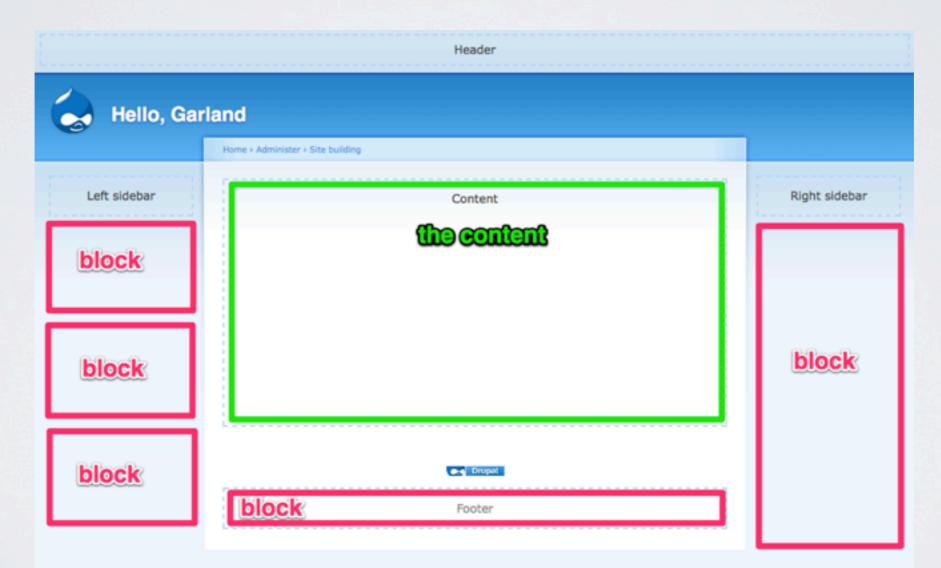
Once upon a time...

where "the content" was often in the middle

	Header	
Hello, Gar	rland Home > Administer > Site building	
Left sidebar	Content Cire content	Right sidebar
	Footer	

Once upon a time...

and a bunch of other "stuff" was placed around the content



Once upon a time... :)

for a while, this was fine

Once upon a time... :(

one-layout-fits-all approach doesn't always cut it

Solutions!

Visibility: telling blocks when/where they should appear & ...

Page specific visibility settings

Show block on specific pages:

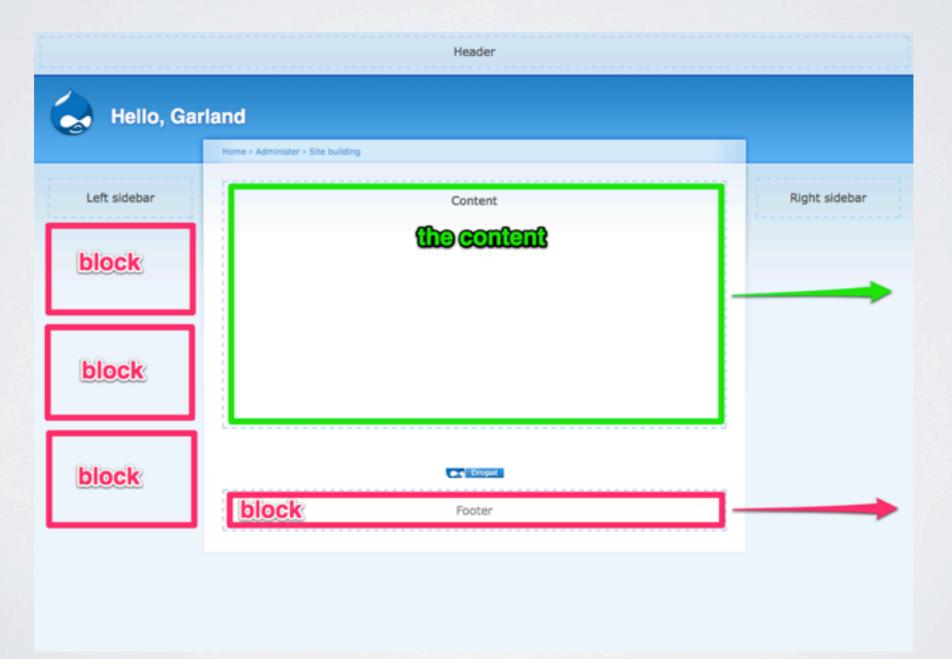
- Show on every page except the listed pages.
- Show on only the listed pages.
- Show if the following PHP code returns TRUE (PHP-mode, experts only).

Pages:

Enter one page per line as Drupal paths. The '*' character is a wildcard. Example paths are blc front page. If the PHP-mode is chosen, enter PHP code between <?php ?>. Note that executing

Solutions!

Magic layouts: regions that disappear when no content within



Imperfect Solutions :/

Every single block needs to be configured appropriately

configure
configure

Solutions!

In code: prevent regions from being printed on certain pages.

000 000 page-front.tpl.php The Connectation and the connectation of the c 49 <?php print theme('links', \$primary_links, array('class' => 'links primary-links')) ?>-55 🖸 </div> <!-- /header -->-50 🖂 <?php endif; ?>-56 57 🖸 51 📦 <?php if (isset(\$secondary_links)) : ?>-<?php if (\$left): ?>-<?php print theme('links', \$secondary_links, array('class' -> 'links secondary-links')) ? 52 58 🖸 <div id="sidebar-left" lass="sidel 53 🖸 <?php endif; ?>-59 <?php if (\$search_box : ?><div c 54 60 <?php print \$left ?> 55 🖸 </div> <!-- /header -->-61 🖸 </div> 56 62 🖸 <?php endif; ?>-57 63 <div id="center"><div id="squeeze"><div class="right-corner"><div class="left-corner">-58 🔾 64 🖸 <div id="center"><div id="squeeze"> 59 <?php print \$breadcrumb; ?>-> <?php print \$breadcrumb; ?>-65 <?php if (\$mission): print '<div id="mission">'. \$mission .'</div>'; endif; ?>-66 <?php if (\$mission): print '<div 60 <?php if (\$tabs): print '<div id="tabs-wrapper" class="clear-block">'; endif; ?>-67 <?php if (\$tabs): print '<div id 61 <?php if (\$title): print '<h2'. (\$tabs ? ' class="with-tabs"' : '') .'>'. \$title .'</h2>' 62 68 <?php if (\$title): print '<h2'. <?php if (\$tabs): print '<ul class="tabs primary">'. \$tabs .'</div>'; endif; ?>-69 <?php if (\$tabs): print '<ul cla: 63 <?php if (\$tabs2): print '<ul class="tabs secondary">'. \$tabs2 .''; endif; ?>~ 70 <?php if (\$tabs2): print '<ul cl: 64 <?php if (\$show_messages && \$messages): print \$messages; endif: ?>-<?php if (\$show_messages && \$mes: 65 71 72 66 <?php print \$help; ?>-<?php print \$help; ?>-<div class="clear-block">-67 📦 73 🖸 <div class="clear-block">--68 <?php print \$content ?>-<?php print \$content ?>-74 69 🖸 75 🖂 </div> </div> 70 <?php print \$feed_icons ?>-> 76 <?php print \$feed_icons ?>-<div id="footer"><?php print \$footer_message . \$footer ?></div>-71 77 <div id="footer"><?php print \$for </div></div></div></div> 72 🖸 78 🖂 </div></div></div></div></div> 73 79 74 80 🞧 <?php if (\$right): ?>-</div> <!-- /container -->-<div id="sidebar-right" class="side 75 🖸 81 search_box) 76 🖸 </div> 82 <?php if (!\$left && ! 77 <!-- /layout -->-83 <?php print \$right ?: 78 84 🖂 </div> 79 <?php print \$closure ?>-85 🖸 <?php endif; ?>~ 80 </body> 86 81 </html>-87 🖸 </div> <!-- /container -->-82 88 </div>

Imperfect Solutions :/

Drupal still does all the work, resulting in performance waste

000 000 page-front.tpl.php The Connectation and the connectation of the c 49 <?php print theme('links', \$primary_links, array('class' => 'links primary-links')) ?>-55 🖂 </div> <!-- /header -->-50 🖂 <?php endif; ?>-56 57 🖸 51 📦 <?php if (isset(\$secondary_links)) : ?>-<?php if (\$left): ?>-<?php print theme('links', \$secondary_links, array('class' -> 'links secondary-links')) ? 52 58 🖸 <div id="sidebar-left" lass="sidel 53 🖸 <?php endif; ?>-59 <?php if (\$search_box : ?><div c 54 60 <?php print \$left ?> 55 🖸 </div> <!-- /header -->-61 🖸 </div> 56 62 🖸 <?php endif; ?>-> 57 63 <div id="center"><div id="squeeze"><div class="right-corner"><div class="left-corner">-58 🔾 64 🖸 <div id="center"><div id="squeeze"> 59 <?php print \$breadcrumb; ?>-> 65 <?php print \$breadcrumb; ?>-<?php if (\$mission): print '<div id="mission">'. \$mission .'</div>'; endif; ?>-66 <?php if (\$mission): print '<div 60 67 <?php if (\$tabs): print '<div id="tabs-wrapper" class="clear-block">'; endif; ?>¬ <?php if (\$tabs): print '<div id 61 <?php if (\$title): print '<h2'. (\$tabs ? ' class="with-tabs"' : '') .'>'. \$title .'</h2>' 62 68 <?php if (\$title): print '<h2'. <?php if (\$tabs): print '<ul class="tabs primary">'. \$tabs .'</div>'; endif; ?>-69 <?php if (\$tabs): print '<ul cla: 63 <?php if (\$tabs2): print '<ul class="tabs secondary">'. \$tabs2 .''; endif; ?>~ 70 <?php if (\$tabs2): print '<ul cl: 64 <?php if (\$show_messages && \$messages): print \$messages; endif: ?>-<?php if (\$show_messages && \$mes: 65 71 72 66 <?php print \$help; ?>-<?php print \$help; ?>-<div class="clear-block">--67 🖸 73 🖸 <div class="clear-block">--68 <?php print \$content ?>-74 <?php print \$content ?>-69 🖸 75 🖂 </div> </div> 70 <?php print \$feed_icons ?>-> 76 <?php print \$feed_icons ?>-71 <div id="footer"><?php print \$footer_message . \$footer ?></div>-77 <div id="footer"><?php print \$for </div></div></div></div></l-- /.left-corner, /.right-corner, /#squeeze, /#center -->-72 🖸 78 🖂 </div></div></div></div></div> 73 79 74 80 🞧 <?php if (\$right): ?>-</div> <!-- /container -->-<div id="sidebar-right" class="side 75 🖸 81 76 🖸 </div> 82 <?php if (!\$left && ! search_box) 77 <!-- /layout -->-83 <?php print \$right ?: 78 84 🖂 </div> 79 <?php print \$closure ?>-85 🖸 <?php endif; ?>~ 80 </body> 86 81 </html>-87 🖸 </div> <!-- /container -->-82 88 </div>

Friday, April 5, 2013

Also, not good enough.

What if you want a completely different layout?

	Header			Header
😞 Hello, Gar	land Home + Administer + Site building		😸 Hello, Gar	fland Huma + Administer + Site Building
Left sidebar	Content	Right sidebar	Left sidebar	Content Right sidebar
	Footer			Footer

you have this

you want this

Then it was time for Drupal 7

Then it was time for Drupal 7

What do we do?

Solutions!

We include an even crazier default layout.

ock region demonstration				My account Log out
par 🛃	nels-demo.dev		Header	
-				
Home				
		Featured		
Home				
Sidebar f	irst	Highlighted		Sidebar second
	Bartik			
	Dartik			
		Help		
		Content		
Tri	ptych first	Triptych middle	Trip	wych last
Footer first o	olumn Footer second	column Footer th	rd column	Foster fourth column
		Sinc.		n (n
		Footer		

Friday, April 5, 2013

Imperfect Solutions :/

whoopsie, we may have over done it.

REGION SETTINGS

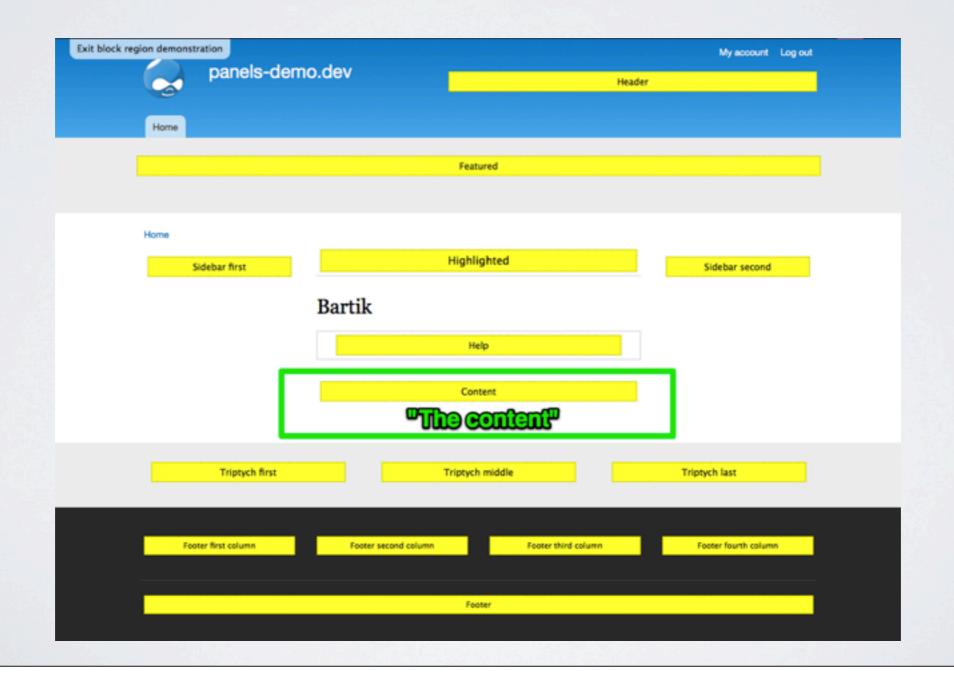
Specify in which themes and regions thi

Bartik (default theme)

- None - Header	
Help	n theme)
Highlighted	
Featured	
Content	
Sidebar first	
Sidebar second	
Triptych first	
Triptych middle	
Triptych last	
Footer first column	-
Footer second column	
Footer third column	
Footer fourth column	
Footer	
Content types	

Imperfect Solutions :/

Our "content" is still stuck in the middle



Also, still not good enough.

It's still hard to make a completely different layout.



you have this now

you still want this

so what is the perfect solution?

PANELS

Panels allows you to control the layout of your site.

Panels allows you to control the layout of your site. But it requires a shift in how you think about site architecture.

Panels allows you to control the layout of your **site** by controlling the layout of your **content**

two-column **content** layout

	Header	
ello, Gar	land Home > Administer > Site building	
Left sidebar	C n ent	Right sidebar
	Footer	

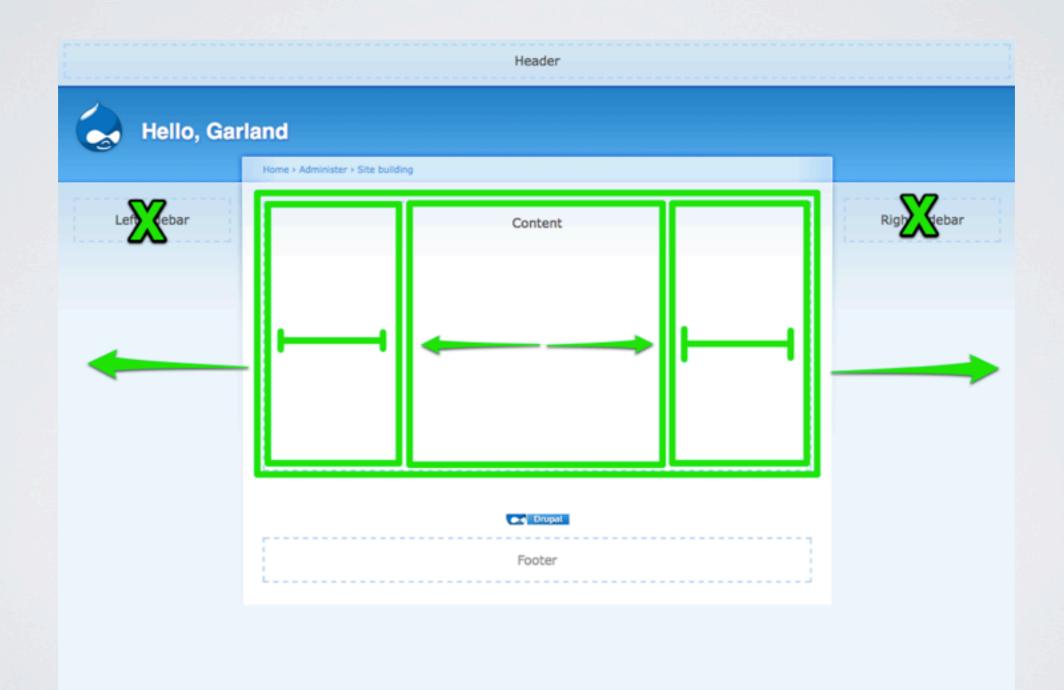
two-column **site** layout

	Header	
ello, Gar	land Home > Administer > Site building	
Leftebar	C n ent	Righ
	Footer	

three-column site layout

Hello, Garland	ite building	
Left sidebar	Content	Right sidebar
	Footer	

three-column site layout







I) You don't need very many regions in your theme.



I) You don't need very many regions in your theme.

	Home + Administer > Site building			uster - Site building	
Left sidebar	Content	Right sidebar	Left sidebar	Content	Right sidebar
		5			
	L		· · · · ·		i
				Conque .	
	Footer			Footer	
	3 regions			only I region	
	STEGIOUS			ONLY I REGION	



2) You won't be doing very much with Blocks



2) You won't be doing very much with Blocks

Hello, Gar	rland	block		😞 Hello, Garl	and	
	Home + Administer + Site buildin	1		_	Home - Administer - Site building	
Left sidebar		Content	Right sidebar	Left sidebar	Content	Right side
				2		
	i		i	8	i	i
					Cooper .	
		block			Footer	
	\sim	blocks			no blocl	
		DIUCKS				$\langle \mathcal{S} \rangle$

what does this mean?

3) Everything is content.



3) Everything is content.

😞 Hello, Garl	and Home - Administer - Site build	block		Hello, Garland		
Left sidebar		Content Content	Right sidebar	Left sidebar	Content	Right sidebar
		licelx			Footer	
	3	regions			only I region	

Things Drupal doesn't do very well:

I) home pages
 2) content pages
 3) user profile pages
 4) taxonomy term listing pages
 5) custom landing pages

(rebuild it with panels)

Home page

A Web Page				
Fancy rotator thingy				
Left hand side article	Right hand side			
	10			

(rebuild it with panels)

Blog post (node page)

A Web Page	
Blog post	Blogger Profile
	11

(rebuild it with panels)

User profile

A Web Page				
User Hi	story awesome ad			
	14			

(rebuild it with panels)

Category page (taxonomy term listing page)

A Web I	Page
An ad for this category	Events in this category
Articles in this category	
	4

(rebuild it with panels)

Landing page (custom page)

<□ 	A Web	Page		\supset
Fancy rotator thingy				
Left thing	middle thing		Right thing	
bottom Left thing		bottom ri	ght thing	
				4

WHERE'S THE CODE?

Everything is pluggable

I) panels layouts
2) content types (panels panes)
3) pane styles
4) access rules
5) contexts

OUT OF TIME ALREADY?

More panels info:

video series: Panels by yours truly on drupalize.me

Book: Drupal's Building Blocks by Earl & Lynette Miles

BUILD BETTER WEBSITES WITH **PANELS**!

Jen Lampton @jenlampton on twitter ''jenlampton'' <u>http://drupal.org/user/85586</u> <u>www.jenlampton.com</u>

if you forget my name, just Google "Drupal developer"