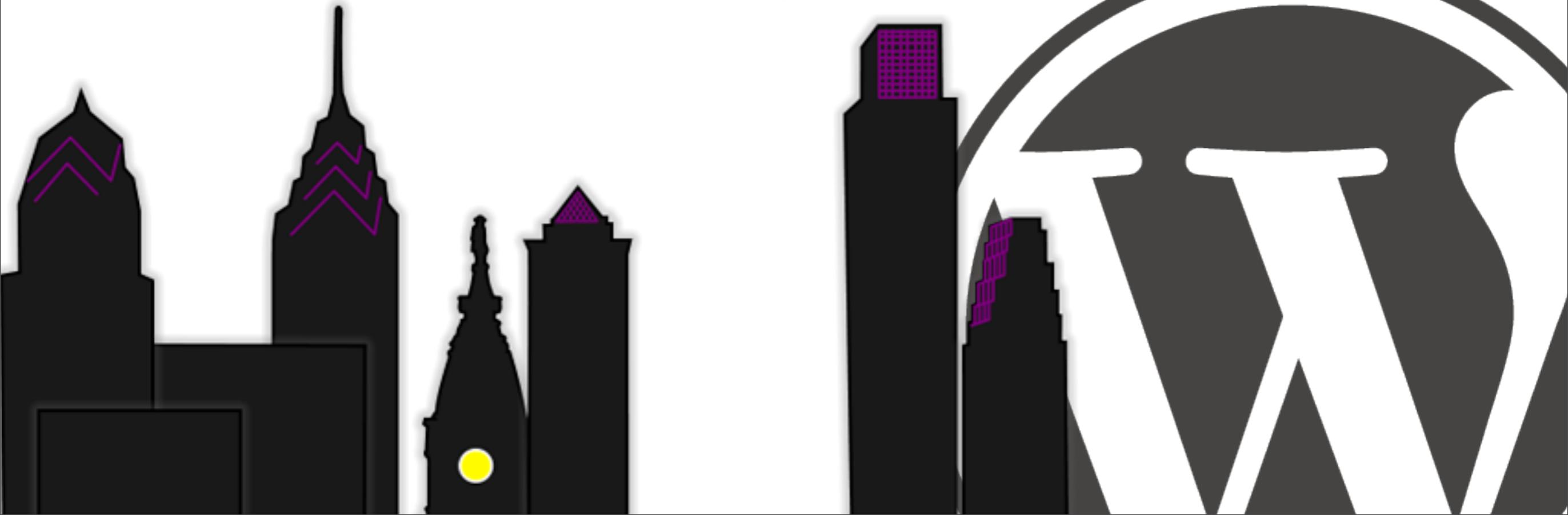


The Seven **Deadly**

Theming Sins

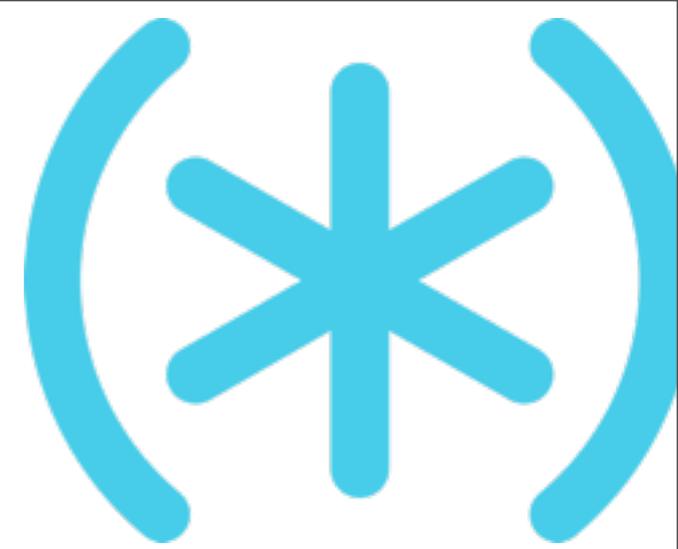
George Stephanis

@daljo628





George Who?



- Core Contributor
(Recent Rockstar for 3.4)
- Code Monkey (yes, my actual title)
at (*) Speck Products
- Zero talent for design



Bundling Plugins

- Upgrading is Important!
 - Security fixes,
 - new features,
 - playing nice with new versions of WP
- Not Breaking Things is awesome!

PHP Fatal error: Call to undefined function plugin_foo() in plugin.php on line 123

PHP Fatal error: Cannot redeclare plugin_foo() (previously declared in plugin.php:123) in plugin.php on line 123

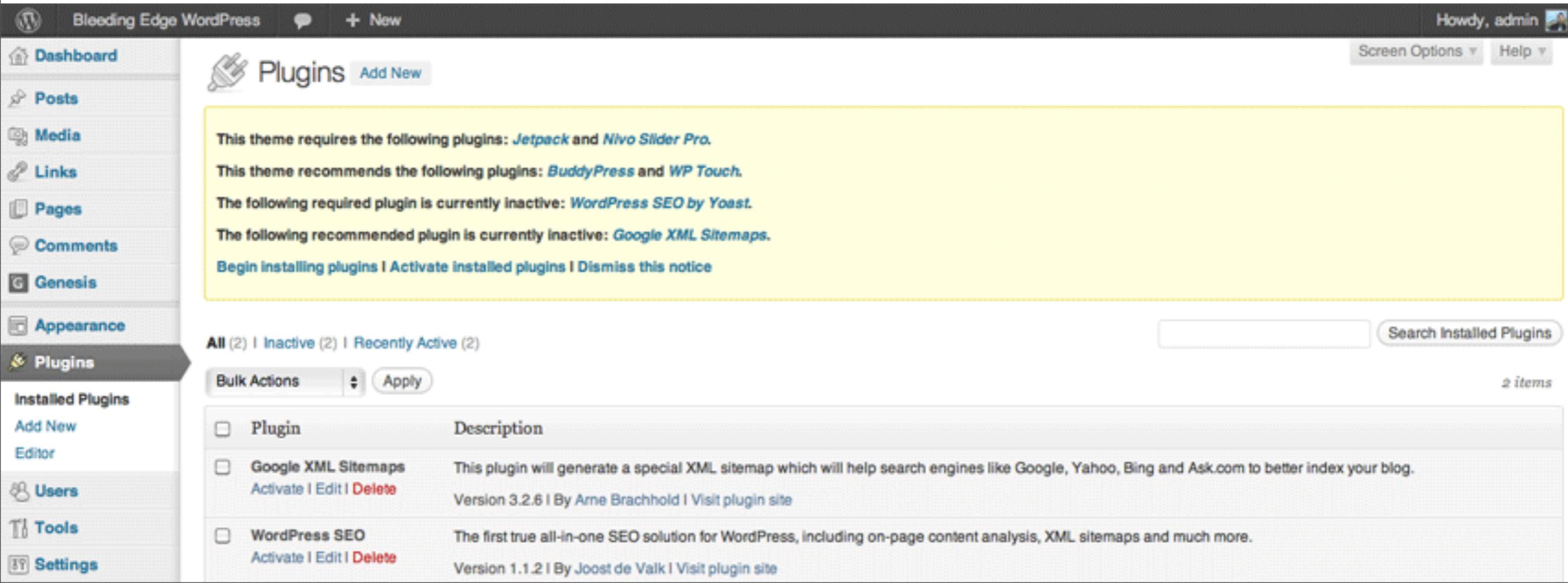
Bundling Plugins

- If you must ...
- // in functions.php:

```
if( ! function_exists( 'plugin_foo' ) ) {  
    require( TEMPLATEPATH . 'inc/plugin.php' );  
    // or STYLESPATH -- more on this later!  
}
```
- Advantage:
Doesn't break if they install the plugin traditionally

Bundling Plugins

- A Better Way:
- TGM Plugin Activation
<http://tgmpuginactivation.com/>
<http://github.com/thomasgriffin/TGM-Plugin-Activation>



The screenshot shows the WordPress dashboard for 'Bleeding Edge WordPress'. The 'Plugins' menu is active, displaying a notice about required and recommended plugins. The notice states that the current theme requires 'Jetpack' and 'Nivo Slider Pro', and recommends 'BuddyPress' and 'WP Touch'. It also notes that 'WordPress SEO by Yoast' is a required plugin that is currently inactive, and 'Google XML Sitemaps' is a recommended plugin that is also inactive. Below the notice, there are links to 'Begin installing plugins', 'Activate installed plugins', and 'Dismiss this notice'. The main content area shows a list of installed plugins, including 'Google XML Sitemaps' and 'WordPress SEO', with their descriptions and version information.

Dashboard | Bleeding Edge WordPress | + New | Howdy, admin

Plugins [Add New](#)

This theme requires the following plugins: *Jetpack* and *Nivo Slider Pro*.
This theme recommends the following plugins: *BuddyPress* and *WP Touch*.
The following required plugin is currently inactive: *WordPress SEO by Yoast*.
The following recommended plugin is currently inactive: *Google XML Sitemaps*.
[Begin installing plugins](#) | [Activate installed plugins](#) | [Dismiss this notice](#)

All (2) | Inactive (2) | Recently Active (2)

Bulk Actions 2 items

<input type="checkbox"/>	Plugin	Description
<input type="checkbox"/>	Google XML Sitemaps Activate Edit Delete	This plugin will generate a special XML sitemap which will help search engines like Google, Yahoo, Bing and Ask.com to better index your blog. Version 3.2.6 By Arne Brachhold Visit plugin site
<input type="checkbox"/>	WordPress SEO Activate Edit Delete	The first true all-in-one SEO solution for WordPress, including on-page content analysis, XML sitemaps and much more. Version 1.1.2 By Joost de Valk Visit plugin site

Bundling Plugins

- Ideal (graceful degradation):
- ```
if(function_exists('plugin_foo')) {
 // Use the plugin only if it exists
 plugin_foo();
} else {
 // and provide a fallback if it doesn't!
 $page_title = wp_title();
}
```
- Advantage:  
*Gives the user the prerogative  
whether to use the plugin or not.*

# timthumb.php

- Serving images via PHP is a waste of server resources (even if cached)
- TimThumb is another potential attack vector, especially old versions.
- Old TimThumbs can still be exploited ***even if the theme is inactive.***

# timthumb.php

- ```
add_theme_support( 'post-thumbnails' );  
// add_image_size( $name, $width, $height, $crop = false );  
add_image_size( 'homepage-thumb', 220, 180 );  
add_image_size( 'homepage-thumb-cropped', 220, 180, true );
```
- ```
if(has_post_thumbnail()) {
 the_post_thumbnail('homepage-thumb');
}
// Or, with $id being the attachment_id ...
echo wp_get_attachment_image($id, 'homepage-thumb');
```
- Then, regenerate the resized versions of all your existing images:  
<http://wordpress.org/extend/plugins/regenerate-thumbnails/>  
<http://wordpress.org/extend/plugins/ajax-thumbnail-rebuild/>  
<http://wordpress.org/extend/plugins/simple-image-sizes/>

# Ignore Child Themes

- What is a child theme?  
A child theme is a convenient way of changing a theme without modifying its code directly.
- This maintains upgradeability (don't. hack. core.)
- How does it work?
- **IMPORTANT:** Only include what you need to override!

# Ignore Child Themes

- ```
/* in child theme styles.css --  
Theme Name:      Code Monkey  
Theme URI:       http://stephanis.info  
Description:    Code Monkey child theme for Twentytwelve  
Author:         George Stephanis  
Author URI:     http://stephanis.info  
Template:       twentytwelve  
Version:        3.5.0  
*/  
add.your {styles:here;}
```
- ```
// in child theme functions.php --
add_action('wp_enqueue_scripts', 'codemonkey_scripts_styles');
function codemonkey_scripts_styles(){
 // Snag the parent theme's CSS and shove it in
 wp_enqueue_style('parent-style', get_template_directory_uri() . '/style.css');
 // Enqueue the fonts we want
 wp_enqueue_style('Oswald-font', get_stylesheet_directory_uri() . '/fonts/Oswald.css');
}
```

# Hardcode CSS/JS

- The right way to add CSS and JS files to your pages is to enqueue them through WP!
- **Why?**
- This allows you greater freedom to turn them on and off as needed.
- It also gives child themes the power to override parent theme styles, add new styles, and shift things around.

# Hardcode CSS/JS



- Scumbag Steve does:

```
<link rel="stylesheet" href="http://example.com/wp-content/themes/twentytwelve/style.css" />
<link rel="stylesheet" href="<?php bloginfo('stylesheet_url'); ?>" />
<link rel="stylesheet" href="<?php echo get_stylesheet_uri(); ?>" />
<link rel="stylesheet" href="<?php bloginfo('template_directory'); ?>/style.css" />
```

- ```
<link rel='stylesheet' id='mytheme-style' href='http://example.com/wp-content/themes/twentytwelve/style.css?ver=3.5' type='text/css'
media='all' />
<script type='text/javascript' src='http://example.com/wp-includes/js/jquery/jquery.js?ver=1.7.2'></script>
<script type='text/javascript' src='http://example.com/wp-content/themes/mytheme/js/scripts.js?ver=3.5'></script>
<script type='text/javascript' src='https://platform.twitter.com/widgets.js?ver=3.5'></script>
// in functions.php:
add_action( 'wp_enqueue_scripts', 'mytheme_stylesheets' );
function mytheme_stylesheets() {
    wp_register_style( 'mytheme-style', get_stylesheet_uri() );
    wp_enqueue_style( 'mytheme-style' );
    wp_register_script( 'jquery-cycle', get_template_directory_uri() . '/js/scripts.js', array( 'jquery' ) );
    wp_enqueue_script( 'jquery-cycle' );
    wp_enqueue_script( 'twitter-widgets', 'https://platform.twitter.com/widgets.js' );
}
```

CDN-Hosted JS

- Using a CDN to serve your JS is dangerous, as you are then locked into that version of the library.
- Newer versions of WordPress upgrade versions of jQuery, etc.
- Many plugins (GravityForms, etc) will assume you're using a newer version of the library, and may use newer methods that will break if you manually deregister a script and re-register an older version.
- Internal versions of jQuery are neutered [`jQuery.noConflict();`] so as to not conflict with Prototype. Cloud Hosted versions do not offer such accommodations.
- If you must use cloud-hosted versions, outsource the grunt work: <http://wordpress.org/extend/plugins/use-google-libraries/>

i18n

- Like it or not, people will want to use your work in a language other than your own.
- Nearly half of the web is non-English.
- Increase the audience that can use your theme dramatically.
- Besides -- it's EASY!

i18n

- `<label for="search">Search</label>`
`<label for="search"><?php _e('Search') ?></label>`
- `$response = 'I am a string.';`
`$response = __('I am a string.');`
- `<p>We deleted <?php echo $count; ?> emails!</p>`
`<p><?php _e("We deleted $count emails!"); ?></p>`
`<p><?php _e('We deleted '.$count.' emails!'); ?></p>`
`<p><?php echo __('We deleted ').$count.__(' emails!'); ?></p>`
`<p><?php printf(__('We deleted %d emails!'), $count); ?></p>`
`<p><?php printf(_n('We deleted %d email!', 'We deleted %d emails!', $count), $count); ?></p>`
- `// In functions.php:`
`load_theme_textdomain('mytheme');`

Comic Sans

- Just. Say. No.

- Also, Papyrus

What have we learned?

- Don't think only about what you need to do NOW, think about what others could want to do with your code LATER!
- Future Proof!
- Digital Durability!
- Klaatu Berata Nicto!
- Questions?