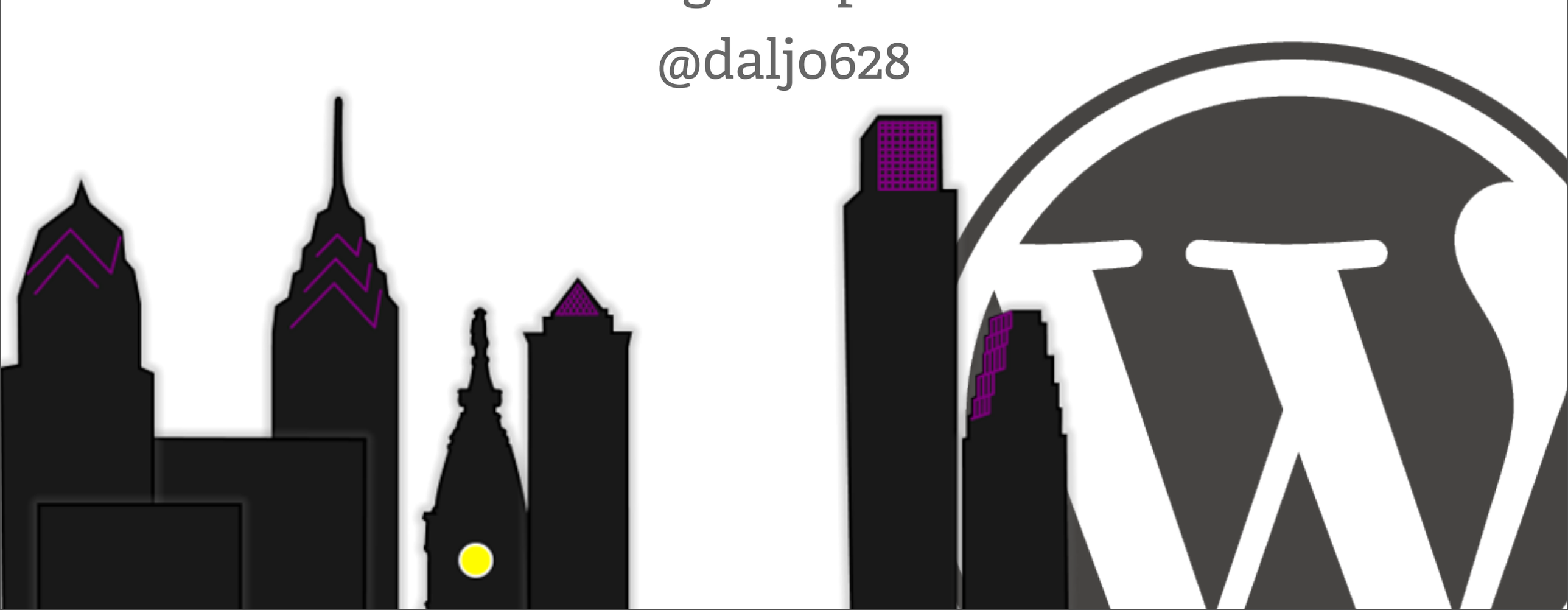
The Seven Deadly Theming Sins

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:

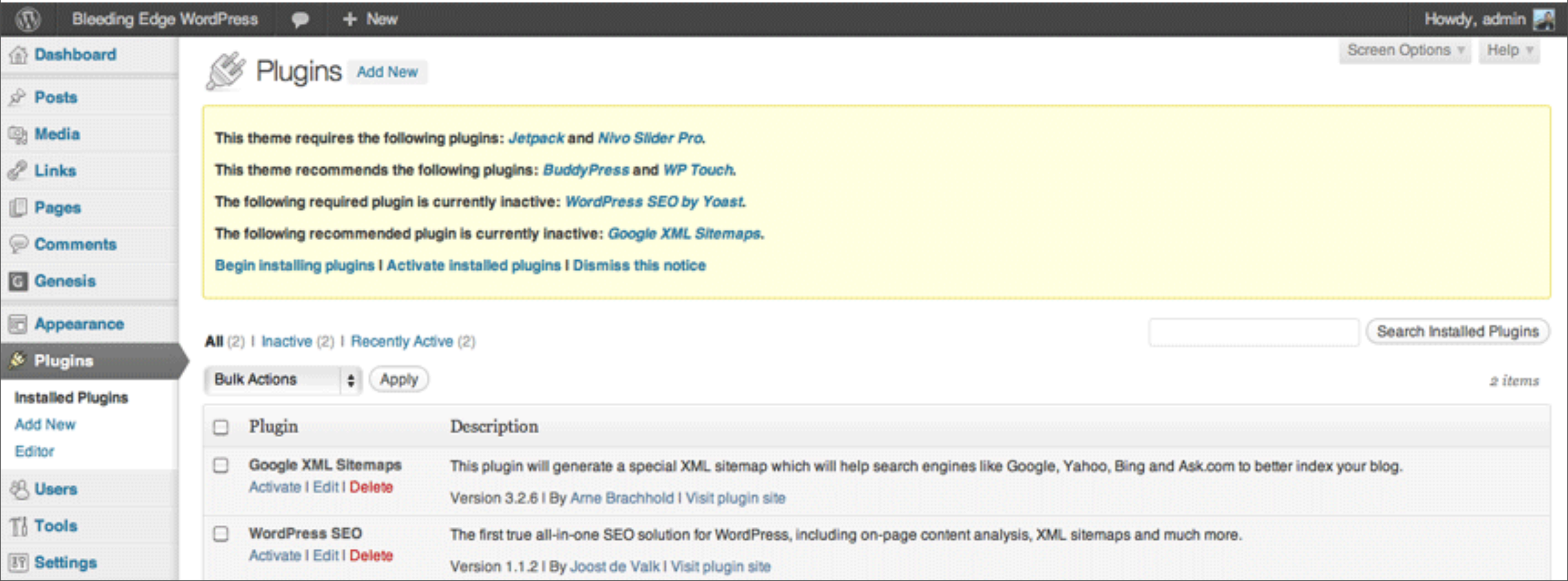
```
if( ! function_exists( 'plugin_foo' ) ) {
    require( TEMPLATEPATH . 'inc/plugin.php' );
    // or STYLESHEETPATH -- more on this later!
}
```

- Advantage:
  Doesn't break if they install the plugin traditionally

Bundling Plugins

- A Better Way:
- TGM Plugin Activation

  http://tgmpluginactivation.com/
  http://github.com/thomasgriffin/TGM-Plugin-Activation



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 accomodations.
- 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.');
  ```

- ```
  We deleted <?php echo $count; ?> emails!
  <?php _e("We deleted $count emails!"); ?>
  <?php _e('We deleted '.$count.' emails!'); ?>
  <?php echo __('We deleted ').$count.__(' emails!'); ?>
  <?php printf( __('We deleted %d emails!'), $count ); ?>
  <?php printf( _n( 'We deleted %d email!', 'We deleted %d emails!', $count ), $count ); ?>
  ```

- ```
  // 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?