



EDWARD McHAM

Web Developer ♦ Technical Writer

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expertise
examples

Front-End / UI Design

- ◆ HTML5
- ◆ CSS3 / LESS
- ◆ JavaScript / jQuery
- ◆ Bootstrap
- ◆ Responsive web
- ◆ Web accessibility
- ◆ Localization

Content Management Systems

- ◆ Drupal, SharePoint, WordPress
- ◆ MySQL / PHP
- ◆ Built in-house CMS with SQL Server, Access, Excel, and VBA

Technical Writing / Online Help

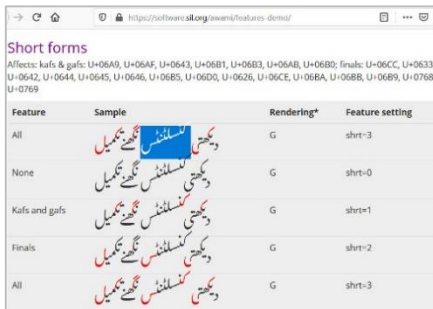
- ◆ Adobe Acrobat, FrameMaker, MS Word, Visio
- ◆ Doc-to-Help, RoboHelp, WebWorks Publisher
- ◆ Single-sourcing
- ◆ DITA / Oxygen XML

Graphic Design / Multimedia

- ◆ Adobe Photoshop, Premiere
- ◆ MS PowerPoint, Publisher
- ◆ GIMP

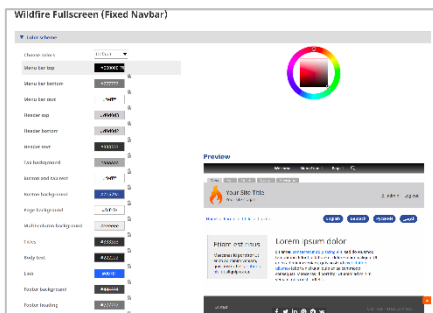
Software Development

- ◆ Git
- ◆ Visual Studio



WordPress Short Code to Generate CSS for Arabic Calligraphy

- ◀ **LEFT:** <https://software.sil.org/awami/features> (requires Firefox with Graphite enabled)
- ◆ <https://software.sil.org/alkalami/features> (any browser)
- ◆ CSS rendered via custom **[font]** short code.



How to Build Color Preview for Custom Drupal 8/9 Theme

- ◆ Documented procedure because Google search only yielded Drupal 7 results.
- ◆ Helped colleagues add Drupal color settings to their *Wildfire* themes.

experience

Consultant Technical Writer

Baxter International

June 2022 – Present

- ◆ Part of a distributed Technical Communication team responsible for updating Instructions for Use (IFUs) for various Hillrom, Welch Allyn, and Baxter medical devices and products. **TOOLS USED:** Framemaker, Acrobat, SAP.
- ◆ Learning Darwin Information Typing Architecture (DITA) and Oxygen XML within a Component Content Management System (cCMS) environment for projects involving single-sourcing and content reuse.

Web Developer

SIL International

Apr 2013 – May 2022

- ◆ Part of a distributed software team developing *Wildfire*, a custom-made **Drupal distribution** that allows communities worldwide to build websites in their heart languages. Collaborated on the creation of three visual themes and administrative modules, including reporting on website status / contents and modifying language configuration UI.
- ◆ Managed a set of **WordPress-based product sites** for proprietary font packages and a wide range of the organization's software, including the introduction of well-established products to potential new users.

Work Examples

- ◆ *IPA Help 2.1* single-page product site
<https://software.sil.org/ipahelp2-1/>
- ◆ *Alkālami* font features demo
<https://software.sil.org/alkalami/features>
- ◆ *Fieldworks* Product Website
<https://software.sil.org/fieldworks>

Contract Web Developer

DELL Computer

May 2012 - Apr 2013

Fixed various UI bugs on Dell.com, including desktop and mobile views.

Contract SharePoint UI Developer

Millennium Group (USAA)

Mar 2011 - May 2012

SharePoint 2007-2010 migration and custom branding

- ◆ Created **custom list web parts** using SharePoint Designer and XSLT.
- ◆ Worked with UI design team to build **custom SP 2010 master pages and page layouts** based on HTML and Fireworks design comps.
- ◆ Created **SP 2010 themes with custom master pages from scratch**. Custom search functionality based on scope drop-down selection (*All Sites, This Site, and People*). Used SharePoint Designer and Visual Studio.

SharePoint Web Developer

Evolvent

Nov 2009 - Mar 2011

Custom branding of SharePoint 2007 multisite application for the **Medical Education & Training Campus (METC)** at Ft. Sam Houston, TX.

Web Site & Content Coordinator

Heartland National TB Center, San Antonio, TX

Feb 2006 - Nov 2009

- ◆ Developed first iteration of **company website**, including online course registration, interactive training calendar, and searchable list of presentations.
- ◆ Built an internal MS Access database to record **medical consultations** from states within a 13-state region, as well as facilitate data entry and report generation using complex user interfaces.
- ◆ Used Adobe Creative Suite 4 to create large marketing posters.

Technical Writer

GEO-CENTERS, Inc., Newton, MA

Oct 2002 to Nov 2005

- ◆ Used Adobe FrameMaker and WebWorks Publisher to produce:
 - ◆ Installation Guide (PDF)
 - ◆ Training Guide (PDF)
 - ◆ Quick Reference Guide (PDF)
 - ◆ Online User Help
 - ◆ Online Admin Help
- ◆ Converted Photoshop designs to HTML / CSS wireframes for a web-based government travel application and a web-based event tracking application.

Professional membership

Society for Technical Communication (STC)

Self-taught

Oxygen XML

Darwin Information Typing Architecture (DITA)

Drupal 8 / 9

WordPress

SharePoint 2007 / 2010

Northwest Vista College

San Antonio, TX

Multimedia Certification

East Texas Baptist University

Marshall, TX

Bachelor of Science

Computer Information Systems

Double minor:

Mathematics, Spanish

Languages studied

German

EU Levels A1, A2

Russian, Turkish

Brief exposure

Spanish

University minor