

# Christy Sparks | Web Applications Programmer

Portfolio: [christysparks.com](http://christysparks.com)



Experienced full stack developer with 10+ years building, customizing, and maintaining web applications and integrated systems. Skilled in JavaScript frameworks, .NET, WordPress, and database-driven applications. Strong background collaborating with teams and end-users to troubleshoot, document, and deliver secure, accessible, and responsive applications. **Public Trust Eligible.**

Contact: [christy@sparksmotion.com](mailto:christy@sparksmotion.com) | (334) 324-0902 | Alabama

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## Professional Experience

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### Webmaster

Alabama Community College System | Montgomery, AL

*January 2019 – Present*

- Develop and maintain enterprise-level web applications, intranet sites, and custom tools for 24 colleges, ensuring ADA Section 504/508 compliance.
- Create custom MVC-based applications, REST APIs, and database integrations using PHP, JavaScript, and MySQL for 50k+ users.
- Focused on building secure, compliant systems that meet data privacy and government standards.
- Manage version control with Git, testing, documentation, and deployments.
- Collaborate with departments to analyze requirements, troubleshoot issues, and implement enhancements.

### Web Content Manager

Café Racer Magazine | Remote  
(Occasional/Contract Basis)

*January 2012 – Present*

- Rebuilt subscription, e-commerce, and video streaming platforms using WordPress, WooCommerce, PHP, and MySQL.
- Collaborate with editors and staff to analyze system needs and provide enhancements.
- Maintain uptime, monitor analytics, and improve site performance through database and CMS optimization.

### Freelance Web Developer & Marketing Support

Various Clients | Remote  
(Occasional/Contract Basis)

*June 2018 – Present*

- Built and customized applications using React, Node.js, WordPress, and Laravel.
- Developed custom WooCommerce integration for Clear Law Institute and contributed C# and Laravel backend for nonprofit donation platform.
- Delivered workflows, documentation, and client training.

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## Education & Recognition

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### Bachelor of Science in Computer Science

Troy University | Alabama

*Graduated: May 2015*

### AAMA Impact Award

AAMA | Alabama

*Year Awarded: 2023*

## Medallion Award

Public Relations Council | Alabama

Year Awarded: 2020

## Award of Excellence

Public Relations Council | Alabama

Year Awarded: 2019

Projects featured on local news for community impact and innovation.

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## Projects

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### Convert, Combine, and Secure Uploads App

*Python, JavaScript, CSS*

- Developed a WordPress plugin to convert, combine, and secure document uploads into a single secured PDF, streamlining submission for the ACCS facilities department.

### ACCS Online Program Finder

*WordPress, PHP, MySQL, JavaScript, Custom Plugin*

- Created a dynamic program search tool querying a centralized database to help users find online academic programs by college. Developed as a custom WordPress plugin with efficient backend logic and user-friendly interface.

### PDF Text Searcher Custom WordPress Plugin

*WordPress, PHP, JavaScript, MySQL*

- Implemented a custom plugin for the Alabama Community College System to improve navigation of frequently updated PDFs. The application extracts text from uploaded PDFs and saves it into the database for fast, efficient searching. A search box queries the stored text and returns results as links to the original PDF files, significantly improving accessibility and retrieval speed.

### ACCS Facilities Bid Calendar Automation

*WordPress, Zapier, Dropbox, TeamUp*

- Built an automated pipeline to manage facilities bid submissions. When bidders upload documents to Dropbox, Zapier extracts pre-bid and bid meeting dates and creates events in TeamUp. Each calendar event includes a link to the original file, ensuring accurate, timely posting of project details with minimal manual effort.

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## Skills

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- **Web Development:** PHP (Laravel), JavaScript (React, Node.js, jQuery), C# (.NET Core, ASP.NET), Python, HTML5, CSS (Tailwind, Sass)
- **WordPress Development:** Core, themes, plugins, REST API, custom applications
- **Frameworks & Patterns:** MVC design pattern, Unit & Integration Testing, Responsive UI design
- **CMS Expertise:** WordPress, Drupal, Headless CMS, API Development
- **Database Management:** MySQL, MongoDB, MSSQL, relational database design
- **Cloud & Hosting:** AWS, WP Engine
- **DevOps & CI/CD:** Git, Azure DevOps, Docker, AWS CodePipeline, Jenkins
- **SEO & Analytics:** SEO best practices, Google Analytics, Google Tag Manager
- **Design Tools:** Adobe Suite (Photoshop, Illustrator, Acrobat, Premiere Pro), Figma
- **Tools & IDEs:** Visual Studio, VS Code
- **API Development:** RESTful APIs, JSON/XML integration, third-party service integrations