

VICKI JARVIS

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Senior Web Applications Developer / Full-Stack Webmaster

Professional Summary

Innovative and results-driven Web Services Developer with a proven record of delivering secure, scalable, and compliant websites in government and private sector environments. Proficient in WordPress, Drupal, TerminalFour, SharePoint, and AWS, with knowledge of Cloudflare automation, accessibility standards, and DevOps pipelines. Experienced in REST and DocuSign API integrations, Axure wireframing, and Agile project management. Dedicated to improving site performance, accessibility, and reliability through modern cloud and security practices.

Core Competencies

Web Platforms & CMS: WordPress (Custom Themes/Plugins), Drupal 11 (Twig, Composer), TerminalFour, SharePoint (Pages, News, File share)

Development & Integration: HTML5, CSS3, PHP 8, JavaScript, REST APIs, DocuSign APIs, JSON, XML, jQuery, SQL/MySQL

Cloud & DevOps: AWS (S3, CloudFront, RDS, EC2, Auto Scaling, CloudWatch), Cloudflare (R2, Workers, CDN), Bitbucket Pipelines, GitHub Actions, SSH Automation

Security & Compliance: Web Security Remediation, F5 WAF Remediation, XMLRPC Lockdown, XSS Protection, HTTPS Hardening, Section 508 & EIT Accessibility Compliance, WCAG 2.2

Design & UX: Axure RP, Adobe Creative Suite, Responsive Design, Accessibility Testing Tools (WAVE, Axe, Lighthouse)

Collaboration & Process: Agile / Kanban, Jira, Confluence, Documentation, Cross-functional Coordination, Stakeholder Engagement

Professional Experience

DSI / Virginia State Police (VSP) — Senior Web Applications Developer

North Chesterfield, VA | 12/2024 – 10/2025

- Develop, secure, and maintain multiple public-facing agency websites across WordPress, Drupal, and TerminalFour platforms in a highly regulated environment.
- Designed and implemented Cloudflare R2 + Worker architecture for automated alert page publishing — creating a serverless delivery pipeline that syncs manifests, images, and static pages in real-time.
- Engineered AWS + Cloudflare hybrid infrastructure to support millions of concurrent users during Amber Alerts, with S3 for versioned assets, CloudFront CDN, and short TTL configurations for live updates.

- Built CI/CD pipelines in Git + Bitbucket, enabling secure deployments to development, testing, and production environments with automated SSH keys and documented workflows.
- Integrated REST and DocuSign APIs for secure digital form processing and internal workflow automation.
- Authored and maintained VSP Security Plugin, implementing advanced hardening measures (custom login routes, heartbeat session control, XMLRPC disablement, and password reset limits).
- Designed Axure RP wireframes and prototypes for the department redesign initiative, coordinating feedback through stakeholder demos and usability testing.
- Created SharePoint news posts and internal pages to streamline agency communication and publication workflows.
- Conducted accessibility audits and Section 508 remediation, ensuring all state and public sites meet EIT and WCAG 2.2 standards.
- Collaborated with ISO, Epic, and AISN to manage F5 WAF whitelisting, firewall tuning, and origin IP transparency for secure integrations.
- Authored extensive Confluence documentation, Agile Kanban stories, and process guides aligned with VITA standards and project governance.

Key Achievements: Delivered 'VSP Alerts Plugin' integrating Cloudflare R2 manifest automation, ensuring 24/7 availability; architected AWS proof-of-concept for 2M+ concurrent users.

R & M Steel Company — Web Developer / Marketing & Database Developer

Idaho | 2011 – 2022

- Designed and developed responsive WordPress websites, custom PHP templates, and MySQL-driven pages.
- Managed digital marketing campaigns (Google Ads, Facebook Ads) and optimized site SEO.
- Built, administered, and secured multiple SQL databases, performing schema design, queries, and data migration.
- Created visual trade show materials, booth displays, and interactive product media.

Jarvis Technology LLC — WordPress Web & Database Developer

Idaho | 2010 – 2022

- Built and maintained custom WordPress sites and web applications for small businesses.
- Developed backend systems for data collection, reporting, and automation.
- Delivered full-cycle solutions from design to deployment, including hosting configuration, C-Panel management, and SSL setup.

Education

A.A.S. in Web Programming — ITT Technical Institute, Idaho

GPA: 3.95 | National Technical Honor Society

Certifications & Training

- Agile Methodologies
- Section 508 / WCAG Accessibility Compliance
- AWS Fundamentals (Architecture & CloudFront Delivery)
- Cloudflare Workers & R2 Automation
- Secure WordPress Development

Technical Toolbox

Languages: PHP, JavaScript, HTML, CSS, SQL

CMS: WordPress, Drupal, TerminalFour, SharePoint

Tools: Git, Bitbucket, GitHub, AWS CLI, Cloudflare Dashboard, Axure RP, Adobe Creative Suite, Photoshop, Visual Studio Code, Composer, Microsoft 365, Linux, WAMP, Postman

Security: HTTPS / HSTS, Pen-Testing Support, XSS Mitigation, Plugin Hardening

Professional Strengths

- Creative problem solver with an engineering mindset and design sensitivity.
- Effective communicator across technical and non-technical teams.
- Proactive in identifying vulnerabilities and optimizing web performance.
- Passionate about public service technology, accessibility, and innovation.

Recent Projects & Innovations

- *VSP Alerts Plugin*: Cloudflare R2 + Worker automation delivering instant public safety alerts statewide.
- *VSP Security Plugin*: WordPress hardening suite with login protection, heartbeat session control, and XML-RPC lockdown.
- *AWS Proof of Concept*: Architected scalable infrastructure supporting over 2 million concurrent users during alert traffic spikes.