

MICHAEL S. RICHEY

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PROFESSIONAL SUMMARY

Senior PHP Software Engineer with 20+ years of hands-on development and full-lifecycle ownership of enterprise web applications. Founded and solely operated a custom LMS SaaS platform (2006–2026) serving thousands of users with secure, compliant, high-performance features.

Expert in object-oriented PHP, MySQL, modern JavaScript, AI-assisted development workflows, and delivering maintainable, scalable solutions in Agile environments. Passionate about using technology for meaningful impact and eager to contribute solutions to meet organizational goals.

TECHNICAL SKILLS

- **Core:** PHP (OOP, frameworks), MySQL (schema design, optimization), JavaScript/TypeScript
- **Modern / AI:** Agentic coding & AI-assisted workflows (n8n + Grok/Gemini), custom automation, System-AI-Meta
- **Front-End:** React/Angular concepts, custom components (React JS/Gutenberg blocks), WebGL shaders, responsive UI
- **Enterprise:** Security (HashCash PoW CAPTCHA), APIs, Git, performance optimization, legal compliance-focused development (Litigation support, FAA, GDPR, EU e-Privacy Directive)
- **Cloud / DevOps:** 30+ years Linux administration, Ansible, cloud-ready architecture, Docker/Kubernetes private cluster for Scott IPC.

PROFESSIONAL EXPERIENCE

Founder & Lead Developer – Custom LMS SaaS

RicheyWeb - Exclusive Client: Scott International Procedures LLC, Dallas, TX 2006–2026

- Designed, developed, and maintained a full-featured PHP/MySQL-based LMS platform powering regulated training for thousands of users.
- Built secure, performant features including interactive workflows, video integration, SCORM compliance, and complex backend logic.
- Owned architecture, code quality, testing, deployment, and ongoing optimization in a fast-paced, mission-critical environment.
- Mentored and performed code-reviews for junior devs.

Development & Research Lead

RicheyWeb (Open Source & Commercial Projects)

Ongoing

- Created production agentic workflows using n8n and LLMs (Grok/Gemini) for automated code assistance, entity processing, content generation, and optimization.
- Developed 70+ PHP-based Joomla extensions and WordPress plugins, including HashCash PoW CAPTCHA (enterprise-grade security solution using modern PHP + Web Crypto predating Google's invisible reCAPTCHA).
- Built System-AI-Meta and related tools for intelligent automation and metadata handling.
- Authored a privacy compliance suite (EU e-Privacy Directive, Global Privacy Control, Do Not Track) deployed across 16,000+ Joomla sites worldwide, recommended by government agencies, Top-100 JED extension, with functionality later integrated into Joomla core - including a consent API for third-party developer integration.
- Consistent implementer of web and IETF standards (RFC 6596, RFC 5988, RFC 8288, GDPR, CCPA, EU e-Privacy Directive) across production software serving tens of thousands of sites.
- Built System - Markdown, serving AI-agent-optimized content via RFC 8288 standards-based discovery — independently developed nine days before Cloudflare announced equivalent functionality, with a standards-compliant approach Cloudflare's proprietary implementation lacks.

Enterprise Client Work

- Led PHP development, database design, API integrations, and infrastructure modernization across multiple enterprise projects for companies like Cox Communications, Gtran Wireless, ECTISP, Singularity LLC.
- Consistently delivered clean, maintainable code with strong emphasis on security, performance, and testability.
- Rapidly adapt to new technologies while mentoring and collaborating in Agile-style environments.
- Joomla CMS and VDM.io Component Builder core contributor - patches reviewed and merged by global maintainer teams
- Authentication plugin adopted into volunteers.joomla.org (Joomla core site)

CERTIFICATIONS

- International Society of Computer Forensic Examiners (ISFCE) - Certified Computer Examiner (CCE)
- Open Source Matters - Joomla Certified Administrator
- CSI Linux - Cyber Investigations 2026

EDUCATION

DeVry Institute, Irving, TX - Computer Information Systems, 1997–1998