Qualifications Highlights

- 17 years Drupal Experience
- Full-Stack Developer
- As a senior software architect and developer, he trained and lectured in private sector and educational institutions across the United States and Europe

Education

- B.M., Bachelor of Music Berklee College of Music, 1981

Certifications and Trainings

- AWS AI Practitioner Certification
- AWS Solutions Architect Associate Certification
- AWS Cloud Practitioner Certification
- Drupal 8 Developer Certification
- Drupal 7 Site Builder Certification
- Agile at ICF – Scrum Framework

Experienced, Driven, and Collaborative Team Leader and Architect with a Deep Skill Stack

Stephen Recker

Senior Software Applications Engineer
recker@stephenrecker.com

RELEVANT EXPERIENCE

Mr. Recker is an experienced software developer, solutions architect, and interactive designer, working in government, education, and private sector settings. In his current role at ICF, Mr. Recker architects and develops federal websites, performance strategies, quality needs assessments, and front-end themes. He works with programming platforms and frameworks including AWS, PHP, MySQL, JavaScript, CSS, SASS, Docker, Github, GitLab CI/CD and Drupal.

PROJECT EXPERIENCE

Drupal Development

Lead Developer, www.schoolsafety.gov/, US Department of Homeland Security, Cybersecurity & Infrastructure Security Agency (CISA), 2024-Present. Upgraded from Drupal 10 to Drupal 11, mitigated security scan findings and developed solutions for complex O&M tasks.

Technical Lead, https://www.fatherhood. gov/, US Department of Health and Human Services, Administration for Children and Families (ACF), 2024. Mitigated security scan findings and performed O&M tasks.

Senior Developer, nhttac.acf.hhs.gov/, National Human Trafficking Training and Technical Assistance Center (NHTTAC) Site, US Department of Health and Human Services, Administration for Children and Families, 2024. Upgraded from Drupal 9 to Drupal 10, mitigated security scan findings and performed O&M tasks.

Lead Developer, www.resilienceexchange.nc.gov/, State of North Carolina, NC Office of Recovery and Resiliency, NC Resilience Exchange (NCORR) Site, 2024. Developed innovative site building and content creation solutions within North Carolina's strict template framework.

Lead Developer, capacity.childwelfare.gov/, Capacity Building Center for States (CBC) Site, US Department of Health and Human Services, Administration for Children and Families, 2024. Upgraded from Drupal 9 to Drupal 10, mitigated security scan findings and performed O&M tasks.

Technical Lead, datafiles.samsha.gov/data, Substance Abuse and Mental Health Data Archive (SAMHDA) Site, US Department of Health & Human Services, 2016–2023. Migrated large legacy data and public use file-serving site from Drupal 7 to 8, to 9 and finally Drupal 10, implemented custom SOLR search, built Docker containers and GitLab repositories feeding CI/CD pipelines using AWS tools such as EC2, RDS, ECS, ECR and CodePipeline, developed visualization of rendered csv files and complex report builder with implementations of 3d-party libraries such as Bootstrap, Chosen, D3, DataTables, Dropzone and Superfish. Development and stage environments run automated regression and unit testing.

Senior Developer, www.atf.gov, US Department of Justice, Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF), Sub-contracted to Acquia Inc. on 6-month contract, 2016. Worked backlog tickets for the existing public-facing site of the ATF, which was built in Drupal 7. Mr. Recker gained invaluable experience as an Acquia team member, writing, testing and committing code through a custom integration of PHPStorm, Acquia's advanced BLT installation, and Acquia Cloud Instance. The system leveraged modern Continuous Integration techniques, including rebasing of git commits, test-on-build, and commit hooks. He also learned how to write tight Jira ticket documentation. As a programmer, Mr. Recker focused on 508 compliance improvements, developing a custom view pager handler and an improved slideshow pager widget. He architected and implemented the site's internationalization capabilities, which involved troubleshooting a complex custom Lingotek/content moderation integration.

Lead Developer, Drug-Free Communities Grants Management and Evaluation (DFC *Me*) Tool, Executive Office of the President, Office of National Drug Control Policy, 2015-2016. As lead developer of the DFC-*Me* online system, Mr. Recker built a site on Drupal using PHP and MySQL and wrote many custom modules for migrating data in and out of the system, rendering user-friendly custom data entry forms, implementing responsive AJAX-based views of complex data queries, and fine-tuning user permissions to exacting specifications. The front-end system uses CSS and SASS and Mr. Recker implemented the foundation framework for responsive design and form styling. He was also involved in all of the requirements discussions, was responsible for programming and deploying the front-end and back-end code, and used Google Analytics to fine-tune performance. The private site launched in the spring of 2015.

Senior Developer, High Rock Studios, 2013-2015. While employed as a senior back-end developer at High Rock Studios, Mr. Recker programmed and deployed dozens of high-end Drupal websites. His responsibilities included customer needs assessment, data architecture, and lead programming of feature-rich responsive websites. Noteworthy projects include serving as lead developer for the Great American Can Roundup website for Can Manufacturer's Association, which automated the data entry process for contestants and administrators in a national recycling contest; the University of Maryland at Hagerstown website; and the University of Maryland Ventures website. He also assisted on the Drupal end with Leitersburg Cinema's SOAP API seat/ticket reservation system and the What's Nxt Pass that offers discounts at stores via a Symfony-based app.

Web Coordinator, Hagerstown Community College, 2008-2013.
While employed at Hagerstown Community College, Mr. Recker selected the CMS (Drupal) for the main public-facing college web site after studying the customer's needs, interviewed and hired a graphic designer, themed the final design using CSS, configured and programmed custom modules, implemented custom interfaces for managing content, designed and reported site metrics using Google Analytics, trained the staff, and programmed small web-based apps.

Multimedia Development

Multimedia Producer, Razza Digital, 1993-1998
In Mr. Recker's first job as a developer he produced multimedia content for Apple Computer, Adobe, Macromedia and others; developed Apple's QuickTime 3 and QuickTime 4 installation/demo CD-ROMs using Macromedia Director; was on the team that helped Macromedia and then Apple develop Final Cut Pro; and taught digital video at the American Film Institute, the Grady School of Journalism and at Apple Headquarters in Paris, France.

SELECT PUBLICATIONS AND PRESENTATIONS

Publications

Recker, S.J. (2017). *Shadowing Grant - Reminiscences of the United States Hospital Transport Service in the Civil War 1864-65*. Sharpsburg, MD: Another Software Miracle, LLC.

Recker, S.J. (2012). *Rare Images of Antietam and the Photographers Who Took Them*. Sharpsburg, MD: Another Software Miracle, LLC.

Recker, S.J. (2012). 99 Antietam Campaign Places to See, Civil War Times, volume 51, number 5.

Recker, S.J. (2008). Antietam's Answer Man. America's Civil War, volume 21, number 4.

Presentations

Recker, S.J. (2019). The Civil War Photographs of Antietam Battlefield, C-SPAN
https://www.c-span.org/video/?457666-2/photographs-antietam-battlefield

PROFESSIONAL AFFILIATIONS AND AWARDS

Drupal.org member since 2008

ACFS Award for Research, Publication, Education and Preservation
Hagerstown Civil War Round, Hagerstown, Maryland, 2024
Endurance Award for Volunteering, ICF, 2022

EMPLOYMENT HISTORY

ICF. Senior Software Applications Engineer. 2015-Present
High Rock Studios. Senior Developer. 2013-2015
Hagerstown Community College. Web Coordinator, Video Producer. 2008-2013
Antietam Battlefield Guides. Battlefield Guide. 2005-2020
Another Software Miracle, LLC. Software Developer, Author. 1996-Present
Apple Computer/Adobe/Macromedia. Multimedia Producer. 1993-1998
Various Artists. Touring and Recording Lead Guitarist, Music Producer. 1972-1993