

Joedy Felts

Full Stack Software Engineer

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PROFESSIONAL OVERVIEW

Full Stack Software Engineer with over a decade of experience designing and developing scalable, accessible web applications. Proficient in React, TypeScript, Node.js, GraphQL, and PHP, with deep expertise in component architecture, responsive UI design, and complex state management using Redux. Experienced in building modern frontends with JavaScript frameworks and maintaining performant backends using REST and serverless technologies like AWS Lambda. Skilled in Agile development, CI/CD pipelines, Docker, and test automation with Jest. Passionate about user-centered design, accessibility, and delivering maintainable solutions that support cross-functional teams.

TECHNICAL SKILLS

React	TypeScript / JavaScript	Node.js	PHP
XHTML	CSS / Sass / Less	AWS	S3
EC2	Lambda	CloudFront	CI/CD Pipelines
Docker	Git	Jest	Redux
REST	GraphQL	MySQL	MongoDB

WORK EXPERIENCE

Senior Software Engineer

SANS Institute, Remote | March 2022 – May 2025

Co-developed and launched OnDemand Web, a video-based learning management system that boosted application performance by 40% over its predecessor. Co-developed the course and user administration tool, which enabled course creators to efficiently build and manage content and handle student enrollment in SANS courses.

- Engineered the platform using React.js and Node.js, integrating GraphQL, AWS Lambda, S3 for course content, and Learnosity for quiz functionalities
- Authored the Zendesk-powered SME chat component, enabling real-time learner engagement, file sharing, and service hour updates
- Implemented CI/CD methodologies and Jest for testing, alongside building a complementary React.js administration tool that leveraged REST microservices for video transcription and content processing
- Utilized Redux for complex state management in the admin tool to support progressive course modifications and Storybook for rapid UI prototyping

Director of User Experience

University of Richmond, Richmond, VA | August 2016 – March 2022

Led the strategic vision and technical execution for the University of Richmond's public web presence, overseeing a team of web developers and a portfolio of 150+ domains.

- Spearheaded a major codebase rewrite and visual overhaul, improving site performance by over 50% and web accessibility compliance by over 75%
- Architected a new responsive, component-based web ecosystem using PHP for the backend and a custom JavaScript framework with Zurb Foundation on the frontend, deeply integrated with the CMS
- Implemented AWS Elasticsearch for advanced search capabilities
- Developed a flexible, modular CMS templating system, empowering campus web managers to build high-quality sites from pre-built components and enabling custom Google Tag Manager integrations
- Reimagined and redeveloped an advanced article system, allowing authors to create rich, responsive web articles with embedded multimedia (slideshows, videos), custom backgrounds, and social media integration
- 2021 CASE Circle of Excellence Award - Gold for the Hermes Web Redesign

User Interface Manager / Senior Web Developer

University of Richmond, Richmond, VA | March 2010 – August 2016

Managed a small team of web developers responsible for the maintenance and operation of the University of Richmond's public web infrastructure.

- Designed and implemented the frontend system (custom JS/HTML framework) and core PHP backend, deeply integrated with the CMS, powering the university's web presence
- Developed an Angular (1.0, later redeveloped to 2.0) web application to enhance prospective student campus tours, providing interactive maps, degree offerings, academic profiles, and student experiences
- Created a custom PHP-based marketing email generator, leveraging in-house article content for dynamic, on-the-fly email generation
- Built a custom event management system to streamline university event coordination and promotion

Freelance Web Developer

Joedyfelts.com, Richmond, VA | January 2006 – Present

Developed custom websites end-to-end for a diverse range of clients, specializing in WordPress for comprehensive site creation, custom theme development, and bespoke widget authoring.

- Built responsive, SEO-optimized websites using HTML, CSS, JavaScript, and PHP, with integrations such as Google Tag Manager to support analytics, performance tracking, and search visibility
- Provided ongoing maintenance and consulting—including security updates, content revisions, hosting setup, and strategic guidance—to ensure optimal performance and client satisfaction

EDUCATION

The Art Institute of Pittsburgh | Pittsburgh, PA | BS in Game Art & Design

University of Virginia | Richmond, VA | Studied Computer Science