Matthew Egan

Software Architect | Web Developer

Washington, DC Region

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Summary

Software architect and developer with 16+ years of experience building web applications. Background spans front-end development, API design, databases, cloud infrastructure, and analytics instrumentation.

Professional Experience

The St. James

Springfield, VA

Senior Software Architect (Feb 2020–Present) · Senior Web Developer (Aug 2018–Feb 2020)

- Lead developer and maintainer for thestjames.com, built on a headless CMS with a custom cart and checkout for scheduling activities, and a separate membership purchase flow.
- Delivered a member account portal on the site and built an internal admin tool for managing workout content for a fitness app.
- Contributed to OIDC-based SSO architecture; implemented web authentication flows.
- Coordinated vendor API integrations to synchronize transactions with systems of record; added monitoring and error handling to improve reliability.
- Managed analytics instrumentation and event taxonomy; supported stakeholder reporting needs.
- Owned DNS and CDN operations across a family of domains; maintained deployment pipelines and cloud infrastructure.
- Managed cookie consent across sites to align with policy and compliance requirements.
- Supported the flagship facility launch by delivering core site capabilities ahead of opening.

Skills: JavaScript, TypeScript, Vue (Options/Composition API), Nuxt, HTML, CSS, Sass, Tailwind CSS, Contentstack (headless CMS), OIDC SSO, AWS (CloudFront, Route 53, ECS, CloudFormation), Cloudflare (Pages, Workers), Git, CI/CD, Analytics (GA, GTM)

Pioneering Evolution, LLC

Arlington, VA

Senior Web Application Developer · Aug 2010–Jul 2018

- Designed and delivered custom web applications supporting U.S. Navy programs, including requirements capture, workflow, budgeting, execution tracking, and reporting.
- Gathered and documented requirements, mapped processes, and translated them into database schemas and system designs.
- Built SPAs and RESTful backends; maintained version control and modern JavaScript tooling.
- Built applications that consumed exports from enterprise systems, with data mapping interfaces and dashboards; supported ad hoc reporting for program offices.
- Facilitated stakeholder sessions and supported senior leaders with concise reporting on progress and risk.
- Contributed to project planning and coordination across multidisciplinary teams; provided client-facing support and documentation.

NSWC Carderock (subset of role)

- Modernized development practices for intranet and internal business applications (timekeeping, HR, inventory, order management).
- Standardized development environments and tooling by transitioning workstations to Red Hat Enterprise Linux.
- Prepared application web servers and documentation to meet security requirements for deployment.

Skills: PHP 5.x, Laravel 5.2/5.6, JavaScript (ES6), Vue, jQuery, HTML/XHTML, CSS/Sass, MySQL, Oracle, ORM (Doctrine, Eloquent), Git, Docker, Apache, RHEL, Requirements gathering, Atlassian tools, Security compliance

Computer Software, Inc.
Chalfont, PA

Web Application Developer · Aug 2008–Aug 2010

- Developed custom reports and web features for municipal clients; delivered PDF reporting and front-end enhancements.
- Provided onsite and remote support for servers, workstations, printers, and business applications.
- Progressed from field technician to in-house web developer by contributing features and resolving production issues.

Skills: PHP, SQL, PostgreSQL, JavaScript, HTML, CSS, TCPDF, Windows, SVN, Client support

Other Professional Experience

Foundation for Social Connection
Remote (via Oh Buoy LLC)

Search Implementation · Jul 2024

- Implemented site-wide search for action4connection.org, a 501(c)(3) nonprofit advocacy site built with Nuxt and Sanity CMS.
- Designed and populated Algolia search indices by scripting content extraction from Sanity, mapping complex content structures including nested accordions and dialogs.
- Delivered search UX that surfaces content within collapsed UI elements, enabling users to navigate directly to specific accordion sections and dialog triggers.

Skills: Nuxt, Vue, Sanity CMS, Algolia, Content taxonomy design, Netlify

Education

B.S., Information Sciences and Technology — The Pennsylvania State University, University Park, PA