

Ryan D. Robinson

Front-End Development | Software Engineering | AI Agents

ryanrobinson111@pm.me | (828) 318-7392 | [linkedin.com/in/ryan-robinson-2911a076](https://www.linkedin.com/in/ryan-robinson-2911a076)

Developer with 10+ years of experience spanning software engineering, university web platforms, agency delivery, and eCommerce. Combines React and Next.js development with custom CMS engineering, Java/Spring experience, and AI agent development. Leads client builds and supports complex university platforms from implementation through deployment and maintenance.

CORE SKILLS

Front end: React, Next.js, Gatsby, JavaScript, TypeScript, Tailwind CSS, SCSS

Platforms: Drupal, WordPress Multisite, Java/Spring, GitLab CI/CD, OKD 4

AI: Agent development, agentic workflows, AI-assisted coding, Claude, Cursor, Codex

PROFESSIONAL EXPERIENCE

Duke University

Jan 2023 - Present

Web Developer

- Develop reusable React and Gatsby interfaces for Sites Pro, a custom Drupal platform serving 90+ university sites, including Admissions and OIT.
- Contribute to the Gatsby-to-Next.js migration, modernizing routing, rendering, and reusable components to improve development efficiency and reduce platform overhead.
- Manage updates and maintenance for Sites Express, a 90,000-site WordPress network serving Duke students and faculty; develop must-use plugins, customize existing plugins, and address security issues.
- Develop custom Drupal content types, page types, and paragraph types to support the distinct content and layout needs of university departments.
- Create custom Drupal feeds and troubleshoot feed and content issues across university sites.
- Deploy application updates through GitLab CI/CD pipelines connected to OKD 4 (OpenShift), working with build, automated testing, and release workflows.
- Develop custom PHP functionality for Drupal and WordPress themes and plugins to meet requirements beyond standard CMS features.
- Improve accessibility using WCAG 2.1 standards and apply automated testing, visual QA, and shared coding standards across site releases.

Selected work: [Sanford School](#) | [The Graduate School](#) | [Nasher Museum](#) | [Office of the President](#)

Independent

Jan 2014 - Present

Freelance Web Developer

- Deliver responsive websites and commerce experiences from visual direction through launch using React, WordPress, Shopify, WooCommerce, and Webflow.
- Develop custom themes, plugins, and reusable components, combining CSS animation and JavaScript interactions with CMS-managed content.
- Set up product catalogs and payment gateway integrations for online stores; implement analytics tracking and tune website performance.

PROFESSIONAL EXPERIENCE CONTINUED

cbdMD

Sept 2020 - Dec 2022

Lead Magento Web Administrator | Charlotte, NC

- Led web administration for 5 Magento 2 storefronts and a 500+ SKU catalog, coordinating site updates and product launches across teams.
- Built Magento product pages, listing pages, and email templates using HTML and CSS; added custom JavaScript functionality to improve the shopping experience.
- Facilitated the enterprise transition from Oracle NetSuite to Acumatica ERP.
- Led daily Scrum meetings and coordinated cross-functional teams to prepare storefront updates and product launches.
- Implemented Magento SEO improvements and storefront UX enhancements to support organic discovery and conversion optimization.

Grant Marketing

Aug 2019 - Sept 2020

Lead Web Developer | Asheville, NC

- Led development of 15+ client websites, translating UI/UX mockups into responsive WordPress and HubSpot templates with HTML, CSS, JavaScript, PHP, and HubL.
- Configured domains, databases, and SSL certificates, and migrated legacy content to new CMS platforms for client redesigns.
- Implemented Google Analytics tracking to evaluate site usage and inform recommendations for client website improvements.

Selected client work: [Precision Coating](#) | [Scully Signal](#) | [Larson Tool](#)

Aeroflow

Mar 2019 - Aug 2019

eCommerce Web Developer / Coordinator | Charlotte, NC

- Coordinated product and inventory updates across Magento 1 and 2 eCommerce sites and worked with marketing on promotional campaigns across 5 profit centers.
- Created and optimized an Amazon Seller Central store for the Motif Medical division.
- Built HTML/CSS marketing email templates in Mailchimp and used Google Analytics to evaluate shopping behavior and conversion funnels.

mimacom USA

Jun 2016 - Apr 2017

Software Engineer | Charlotte, NC

- Developed Java web applications with Spring Framework and MySQL Enterprise Edition, collaborating with teammates to design and implement features in an agile workflow.
- Built responsive client interfaces for PayTomorrow and ChiroCapital and performed cross-browser testing and performance optimization.
- Wrote JUnit test cases in IntelliJ IDEA to validate Java application behavior and support code quality.
- Migrated multiple repositories from SVN to Git, improving the team's version-control workflow.

ADDITIONAL PROFESSIONAL EXPERIENCE

Benjamin Walls Gallery

May 2019 - Jul 2019

IT Ninja (Contract) | Asheville, NC

INT Technologies

Jun 2017 - Mar 2019

Technical Recruiter | Denver, CO

Artech Information Systems

Mar 2016 - Apr 2017

Talent Management & Consultant Support Specialist | Charlotte, NC

Velocitor Solutions

Apr 2015 - Mar 2016

Technical Support / Depot Specialist | Charlotte, NC

TECHNICAL EXPERTISE

AI development and tools: AI agent development, agentic workflows, AI-assisted software development, prompt engineering, Claude, Cursor, ChatGPT, Codex, GitHub Copilot

Front-end engineering: React, Next.js, Gatsby, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, SCSS, LESS, Vue.js, AngularJS, jQuery, Bootstrap, responsive UI, reusable components, design systems, CSS animation

Application development and data: Java, Spring, Spring Boot, PHP, GraphQL, SQL, MySQL, Apache Solr, JUnit

CMS and eCommerce: Drupal, WordPress Multisite, custom themes and plugins, must-use plugins, HubSpot CMS, HubL, Joomla, Magento 1 & 2, Shopify, WooCommerce, Webflow, Acumatica

Deployment and infrastructure: GitLab CI/CD, OKD 4 / OpenShift, Git, GitHub, GitLab, SVN, Bitbucket, AWS, cPanel, domain configuration, SSL certificates, automated testing, accessibility, WCAG 2.1, visual QA, performance optimization

Build tools and development environments: Yarn, npm, Webpack, Grunt, Maven, Gulp, Visual Studio Code, WebStorm, IntelliJ IDEA, Visual Studio, FileZilla, Brackets, SourceTree, GitKraken

Analytics and collaboration: Google Analytics / GA4, Google Tag Manager, Qlik Sense, Mailchimp, Hotjar, WordStream, Jira, Trello, Scrum, cross-functional collaboration

Design and creative tools: UI/UX collaboration, Photoshop, Illustrator, Premiere Pro, Lightroom, Dreamweaver, Visio, Microsoft Access, Blender, DaVinci Resolve

Operating systems: Windows, macOS, Linux

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

HubSpot CMS for Developers; HubSpot Marketing Software; HubSpot Inbound Marketing

EWB Web Design Certification; JavaScript Certification - Duke University (Coursera)

Conference attendance: DrupalCon and All Things Open, 2023-2025

EDUCATION

Bachelor of Science in Business Administration

Management Information Systems | University of North Carolina at Charlotte