

Andrew Zito

Full stack web developer, software engineer

+1 (845) 240-8309 — azito122@gmail.com — andyzito.github.io — github.com/andyzito — linkedin.com/in/andrewzito

Key Skills

- **Frameworks/Languages:** PHP (5 yrs), TypeScript (5 yrs), WordPress (4 yrs), Drupal (4 yrs), React.js (2 yrs), Django (1 yr), Ruby on Rails (1 yr), Jest (1 yr), Cypress (1 yr), MySQL/MariaDB/Aurora (6 yrs), PostgreSQL (2 yrs), SASS/LESS (5 yrs)
 - **Infrastructure (AWS):** Linux CLI, Ruby SDK, CDK (TypeScript), ECS, RDS, S3, EC2 (4 yrs each)
 - **Tools:** Git (6 yrs), GitHub Actions (2 yrs), GitLab CI (5 yrs), Docker & Docker Compose (6 yrs), VSCode (6 yrs), Slack (6 yrs)
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Experience

Web Developer at Hampshire College

01/2023 – present

- Continued design and implementation of custom narrative evaluations platform in **Django/React**, independently interpreted and **updated legacy code and 10+ outdated packages**
- Updated and added automated tests to legacy platform using **Jest and Cypress** frameworks
- Led upgrade process from **Moodle 3.11 to 4.1**, evaluated new theme and plugins, enhanced documentation for this process

Software Engineer at Green River

08/2021 – 10/2022

- Developed, maintained custom **Ruby on Rails, React** applications for diverse client base
- Contributed significant improvements to bespoke deployment tool for **OpenPath HMIS Warehouse (AWS Ruby SDK, AWS CLI, AWS ECS, GitHub Actions)**
- Performed **manual and CI deployments** to production and staging environments (**Capistrano, GitHub Actions, AWS SDK & CLI**)
- Improved standards for **local dev environments** to support multiple host configurations (including automated tests, volume performance optimization) (**Docker Compose**)
- **Interacted directly with clients** to shepherd complex requirements from discovery to deployment, including specification, feedback, iteration, and QA
- Implemented and designed UI components (**Ruby & Slim, React & MD5**)
- Analyzed **legacy code patterns** to streamline implementation of new features
- Designed and conducted internal **cross-project metadata survey**, presented on results and areas for high-impact low-cost improvement

Web Developer at Lafayette College

03/2018 – 07/2021

- Developed **AWS stacks (infrastructure as code)** to host college web applications (**AWS CDK, TypeScript, CloudFormation, EC2, Fargate/ECS**)
 - Supported cloud hosting functionality: **caching, high-availability hosting in EC2/ECS, monitoring, DNS routing**
 - Developed **CI/CD deployment workflow (GitLab CI, Capistrano, PHP Deployer, AWS CDK)**
 - Designed and developed **WordPress plugins and themes**
 - Participated in **project management** by writing scopes, project plans, and tech reviews
 - Designed **WCAG 2 compliant**, maintainable UI elements as needed (**PHP, Twig, SASS**)
 - Added **GDPR compliant** personal data export and deletion to **Moodle plugins**
 - Co-maintained multiple **Moodle plugins**: **Roster report**, **Filtered course list block**, **Use template on course creation**
 - Developed **local dev environments** for **WordPress, Moodle, Drupal (Docker Compose)**
 - Developed and maintained internal **Drupal plugins and themes (Drupal 8)**
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Education

B.A. Software Engineering at Hampshire College

2015 – 2017

- **Division III Project — Syntree:** a web application that allows users to draw syntax trees with a GUI interface (**JavaScript, jQuery, Snap.svg, PHP, MySQL**)

A.A. Philosophy at Bard College at Simon's Rock

2013 – 2015