Kevin Edward McCloskey

Full Stack Developer **|** (410) 279-4717 **|** kevinmcclos4@gmail.com

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Summary

Full Stack Developer with 8+ years of experience architecting and deploying scalable web applications and cloud-integrated solutions. Integrated AWS services such as Lambda, S3, CloudFront, API Gateway, CloudWatch, and CodeBuild into custom workflows and full stack applications using the AWS SDK; currently focused on expanding skills in infrastructure automation, cloud-native design, and Python development. Proven ability to build reusable tools, enhance site performance, and support mission-critical government platforms.

Technical Scope

Cloud & Serverless: AWS (Lambda, S3, API Gateway, CloudSearch, CodeBuild, CloudWatch, SNS), AWS SDK integration, serverless automation, static site deployment

Backend Development: PHP, Node.js, Express.js, Python, custom Drupal module development, RESTful APIs, service integration, data modeling

Frontend Development: Vue.js, Nuxt.js, HTML5, CSS/SCSS, Twig, jQuery

CI/CD & Automation: GitHub Actions, AWS CodePipeline, Nightwatch.js

Databases & Storage: MySQL, NoSQL, EFS

Caching, Proxy, & Performance: Varnish, Nginx, CloudFront

Tools, Platforms & Containerization: Git, Linux, Docker, AWS ECS

Experience

Senior Software Engineer │ Booz Allen Hamilton │ Rockville, MD │ Jan 2019 - Jan 2022, May 2022 - Present

- Supported multiple internal and public-facing Drupal web applications for the National Institute of Allergy and Infectious Diseases (NIAID), playing a key role in disseminating COVID-19 information during the pandemic. Day-to-day responsibilities included building Drupal components (views, blocks), managing content types and site permissions, developing and maintaining custom modules, reviewing and merging code, and enhancing front-end interfaces with Twig. Ensured Section 508 compliance and led bi-weekly deployments. Core technologies included Drupal, PHP, JavaScript, AWS, Docker, and Twig.

- Contributed extensively to the development of NIAID's first decoupled Drupal site, using JSON:API to deliver content to a multilingual frontend generated by Nuxt.js. Implemented integrations with AWS services including S3 for static hosting, CloudFront for global caching, API Gateway + CloudSearch for serverless search, and CodeBuild for automated deployments. Helped build a custom Drupal admin interface enabling content editors to trigger Nuxt.js site rebuilds and content indexing via AWS SDK–based automation (CodeBuild, EFS, S3, CloudSearch). Created a custom Drupal module used to invalidate specified frontend pages from a site's Varnish cache instance. This module is designed to be used across all the team's Drupal products, and utilizes the AWS SDK for PHP to call an AWS Lambda function that purges indicated page objects from cache.

- Designed a serverless, event-driven notification system using AWS CloudWatch Events, SNS, and Lambda to provide real-time visibility into CodePipeline deployments. Automatically sends Slack alerts on pipeline start, completion, and failure events across all environments, including deployment duration

and commit metadata to keep the team informed throughout the SDLC.

- Presented at Drupal GovCon 2019 on integrating Pattern Lab with Drupal 8, representing the NIAID development team.

- Automated portions of post-deployment regression testing using Nightwatch.js scripts to reduce manual QA time.

Senior Software Engineer | Capital One | McLean, VA (Remote) | Feb 2022 – May 2022

- Contributed to the migration of the team's API infrastructure from a legacy access control system to an internal platform across all product environments, ensuring a smooth transition with minimal service disruption.

Software Engineer | Booz Allen Hamilton | McLean, VA | Apr 2017 – Jan 2019

- Supported the development and operations of internal and client-facing web applications for Booz Allen's 24/7 Managed Threat Services (MTS) cybersecurity division. Worked in a fast-paced, full stack Agile environment using AngularJS, Node.js, Express, MongoDB, Docker, and Jenkins.

- Stepped into a lead support role on the team's primary application during a transition period, assisting with onboarding, fielding technical questions, and contributing to development decisions in the absence of a dedicated tech lead.

- Collaborated with product owners and external partners to troubleshoot API integrations, plan new features, and resolve production issues.

- Coordinated knowledge transfer and release planning with the remote development team at Morphick, Inc. following their acquisition.

- Developed Splunk dashboards and usage monitoring tools to provide visibility into client API behavior.

Certifications

AWS Certified Solutions Architect – Associate
AWS Certified Cloud Practitioner
Certified Associate Python Programmer (PCAP-31-03)
ICAgile Certified Professional (ICP)
Acquia Certified Site Builder Drupal 10

Education

B.S. Computer Science, University of Maryland 2016