

# ALEK C SNYDER

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<https://www.aleksnyder.net>

I am a hardworking and passionate web developer, constantly looking to better myself and provide everything I can to an equally dedicated team of developers.

I have over a decade of professional web development experience, with knowledge of front-end development, back-end development, cloud infrastructure, accessibility, and performance.

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## PROFESSIONAL STRENGTHS

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### Web Technologies:

- Jekyll, WordPress, Drupal, Hugo, Grav, Contentstack, Sanity
- Jenkins, Docker, Kubernetes, GitHub Actions, Terraform, AWS, GCP, ELK
- Node.js (Vite, Gulp, Webpack, Playwright/Puppeteer, NPM Scripts, Microservices)

### Programming language experience:

- CSS (SASS, LESS, PostCSS, Tailwind, Selectors Level 4)
- Javascript (Typescript, React, Angular, Vue.js, Next.js, Svelte)
- MySQL, PostgreSQL, MariaDB, Elasticsearch, CosmosDB
- Python, Go, BASH
- PHP (Symfony, Laravel, Composer)

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## WORK EXPERIENCE

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### Senior Software Engineer - Elastic. (July 2022-December 2025)

Full-stack engineer responsible for enhancing and maintaining elastic.co.

- Developed a Typescript-based ETL tool to migrate large-scale data into Sanity.
- Re-engineered the search experience on elastic.co to deliver context-driven results enhanced by machine learning and RAG.
- Implemented Blue/Green deployments in AWS for zero-downtime updates and migrated infrastructure to Terraform for better manageability.
- Automated the migration of Jira tickets to GitHub using Python, including comments and assets.
- Improved, built, and maintained over a dozen highly available, Kubernetes-served APIs, webhooks, and services which receive over 1 million daily requests.
- Refactored the React and Next.js codebase powering elastic.co to increase back-end performance by over 80% leading to faster build times and page performance.

### Lead Engineer - Booz Allen Hamilton. (March 2015-June 2022)

Full-stack developer responsible for end-to-end web development and architecting solutions to problems faced by clients.

- Proposed software solutions which lead to a multimillion-dollar contract.
- Collaborated with multiple teams to implement a widely used development platform.

- Planned and built a personalization service using Azure and Kubernetes to serve tailored results to hundreds of thousands of users based on previously visited items and their location.
- Built programming tools and custom software to reduce development time.
- Led client efforts to integrate with third-party services such as login.gov.
- Served as technical lead for a team of developers responsible for creating an application using Elasticsearch and Angular to search over 100,000 programs across the country.
- Engineered a solution to migrate key information from hundreds of policy documents over the last half century into Drupal.

#### **Web Developer - Arbola Inc.** (February 2013-March 2015)

Member of a team dedicated to building, improving and maintaining USAID's web presence.

- Designed and developed WordPress themes, Drupal themes, Drupal modules, Google Search Appliance Frontends, and static HTML sites for USAID.
- Successfully planned, developed, and launched a modernized Intranet site.
- Advised USAID on current web technologies, trends, and tools and why we should use them.
- Oversaw the operation and maintenance of five Google Search Appliances.
- Collaborated with several teams in an Agile working environment.

#### **Junior Web Designer - BOSS Group** (May 2012-February 2013)

Company-minded team player...results oriented...efficient, professional, web designer adept at using and implementing many different technologies.

- Designed and developed websites for Georgetown University Alumni Association which incorporated web technologies such as responsive design and canvas.
- Created mockups, wireframes, banners, logos, and other graphical elements using Adobe Photoshop.
- Built websites and online games using HTML5, CSS3, jQuery, and third party APIs.

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## **EDUCATION AND CERTIFICATIONS**

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#### **Anne Arundel Community College** (2009 - 2012)

- A.A.S. Computer Science - Web Technologies
- Publication on the Internet: Programming Option Certificate
- Certificate in Web Design

#### **Comptia Security+ Certificate** (2022)

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## **REFERENCES**

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References available upon request