

# ALEK C SNYDER

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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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## WORK EXPERIENCE

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### Senior Full-stack Engineer - Elastic

(July 2022-December 2025)

- Developed an ETL tool using Typescript to migrate all content into Sanity from Contentstack, reducing the migration time and complexity of each content model.
- Re-engineered the search experience on elastic.co using machine learning and RAG to deliver context-driven results.
- Identified challenges, critical issues and mitigated risk by utilizing 5 why root cause analysis.
- Implemented Blue/Green deployments in AWS for zero-downtime updates and migrated infrastructure to Terraform for better manageability.
- Led migration effort from JIRA to GitHub issues using Python scripts as a part of a consolidation effort to save \$250k annually.
- Managed APIs, webhooks, and services receiving over 1 million daily requests in Node.js, Kubernetes, Fastly, and Google Cloud Platform.
- 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.
- Empowered team by mentoring engineers, writing feature technical design documents, and defining standards for technologies such as React, Typescript, and GitHub.

### Lead Engineer - Booz Allen Hamilton

(March 2015-June 2022)

- 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 using Python to migrate key information from hundreds of policy documents over the last half century into Drupal.

### Web Developer - Arbola Inc.

(February 2013-March 2015)

- 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.

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**Junior Web Designer - BOSS Group**

(May 2012-February 2013)

- 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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**SKILLS**

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**Languages:** JavaScript, Typescript, Python, PHP, CSS, HTML, SQL, Go

**Technologies:** Kubernetes, Docker, React, Drupal, AWS, GCP, Azure, Elasticsearch, Kibana, PostgreSQL, Wordpress, Jenkins, Terraform, BASH, Ansible

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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)