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# STEPHAN LAMOUREUX

DevOps & Cloud Engineer

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As an Army and Air Force veteran transitioning to tech, my focus lies in Cloud Engineering and DevOps. With a foundation in front-end development and UX, I leverage my broad experience in business and the military to build efficient, user-friendly solutions, aiming for seamless deployment.

- **Technologies:** Git/GitHub, Docker, Kubernetes, Terraform, Ansible, AWS, CI/CD, Linux
- **Languages:** JavaScript, Python, SQL, HTML, CSS, BASH

## Certifications and Technology Bootcamps

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- **Code Platoon - DevOps and Cloud Engineering Bootcamp**, Chicago, IL **MAR 2024**
- **Vets Who Code - Full-Stack Software Engineering Bootcamp**, Remote **OCT 2021**
- **Certifications:** AWS Certified Cloud Practitioner

## Projects

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**PokeClone Application Deployment on AWS EKS**, [github.com/stephanlamoureux/pokeclone-kubernetes](https://github.com/stephanlamoureux/pokeclone-kubernetes)

- **CI/CD with GitHub Actions:** Automated deployment of a React and Django app to Amazon EKS, streamlining development workflows.
- **Kubernetes Resource Management:** Utilized EKS for efficient resource organization with namespaces and quotas, demonstrating cloud-native deployment skills.
- **Containerization with Docker:** Packaged applications in Docker, ensuring consistency across development and production environments.
- **Amazon RDS for PostgreSQL:** Employed Amazon RDS to manage application data, ensuring scalability and security.

**Deployment of Full Stack Flask App on AWS**, [github.com/stephanlamoureux/todolist-terraform-ansible](https://github.com/stephanlamoureux/todolist-terraform-ansible)

- **Automated Deployment on AWS:** Utilized Ansible and Terraform for efficient deployment and management of a Flask application, focusing on cloud infrastructure and automation.
- **Terraform-Managed Infrastructure:** Orchestrated creation of AWS resources, such as Ubuntu servers and S3 static hosting, to ensure secure and optimized setup.
- **Ansible for Configuration and Deployment:** Developed custom Ansible roles and playbooks for seamless Flask app and MySQL database deployment, incorporating secure credential management with Ansible Vault.

**Windows Development Guide**, [github.com/Vets-Who-Code/windows-dev-guide](https://github.com/Vets-Who-Code/windows-dev-guide)

- Authored a comprehensive Windows Development Guide to assist new students in setting up Windows for development, addressing the gap in existing macOS-centric documentation.
- The guide covers a wide range of topics including WSL installation, Windows Terminal setup, Git configuration, Zsh, Node.js, Chocolatey package manager, browser extensions, Python and Ruby environments, Docker, and more.
- The guide gained significant recognition with over 200 stars on GitHub and was translated into Chinese, highlighting its usefulness and popularity.

**Job Search Feature Integration**, [VetsWhoCode.io](https://VetsWhoCode.io)

- Collaborated with a cross-functional team to integrate a job search feature using React and the Adzuna API, adding significant value to the web app with a tailored job search tool for veterans.
- Ensured high code quality by writing unit tests, achieving 90% coverage.
- Negotiated the use of a premium API, saving the program \$12,000 and enriching the feature's capabilities.

## Work Experience

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### Director of Operations

Kwik-Hang

FEB 2019–Present

North Attleborough, MA

- Integrated Shopify plugins with inventory management and shipping software, reducing order processing time by 40% while minimizing inventory errors and enhancing customer satisfaction.
- Led expansion into Canadian and Australian markets, driving brand growth and new revenue streams through targeted market analysis and digital marketing strategies.
- Negotiated competitive rates with all major shipping vendors, resulting in over \$182,000 in savings for the company and improved consumer benefits.

### Warehouse Manager

Overhead Door Company

2016–2019

Stoughton, MA

- Managed seven technician teams and maintained company assets, ensuring efficient operations and personnel training.
- Demonstrated adaptability and technical problem-solving by making swift scheduling and operational adjustments in response to unforeseen challenges. This ensured timely job completion and adherence to strict deadlines, enhancing overall operational efficiency.
- Accurately calculated billing for all projects and efficiently processed payments. Proactively managed procurement of parts and equipment, achieving a 100% job completion rate through meticulous planning and resource allocation.

### Aircraft Loadmaster

U.S Air Force

2012–2016

Multiple Locations, USA

- Precisely calculated cargo, passenger, and fuel placement to maintain optimal aircraft center of gravity, ensuring flight safety and efficiency.
- Coordinated with customs, agriculture, and government agencies globally to ensure smooth mission execution and compliance.
- Developed and delivered educational content on aircraft systems and procedures, effectively teaching in classroom and individual settings.

## Education

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- **Western Governors University - B.S. Cloud Engineering**, Salt Lake City, UT **PRESENT**
- **Western Governors University - B.S. Business Administration**, Salt Lake City, UT **DEC 2020**
- **Community College of the Air Force - A.A.S. Aviation Operations**, Montgomery, AL **DEC 2013**