



## Jake Alves

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### Profile

DevOps Engineer with a diverse information technology background acquired from in depth training and ongoing experience. Proficient in server configuration, virtualization, network engineering, hardware / software installation, troubleshooting / repair, client relations, and staff training / supervision. Passionate and self motivated team player / builder. Facilitates a team approach to achieve organizational objectives, increase productivity and enhance employee morale. Enthusiastic worker with the ability to easily grasp new technologies, software, and development practices.

### Experience

**LANGUAGES:** Shell, Python, Powershell, PHP, Lua, Go

**OS:** Mac, Windows, Linux, Unix

**ENVIRONMENTS:** AWS, Google Cloud and Rackspace

**TOOLS:** MS SQL, MySQLS, Postgresql, AngularJS, VMware ESXi, Apache Tomcat, NGINX, Datadog, Docker, Rancher, Cattle, CoreOS, Fleet, Etc, Vault

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#### **SENIOR DEV OPS ENGINEER, SCHOOLZILLA – FEB 2014 - PRESENT**

- Maintains Schoolzilla's AWS infrastructure including both Linux and Windows machines.
- Leverages tools like Salt, Docker-Compose, Packer and Fabric to follow "infrastructure-as-code" strategies to ensure repeatable processes and allow for flexibility and scaling.
- Develops and maintains continuous delivery pipeline to allow for the delivery of new features to customers, fast and as efficiently as possible.
- Implemented monitoring tools like Datadog and ELK to ensure system reliability and uptime.
- Performs vulnerability scanning and testing of Schoolzilla environments, responsible for environment security and configuration hardening.
- Leverages Atlassian products ( Jira, Confluence, Bitbucket ) to organize and plan work and to help follow Agile methodologies.
- Developed and engineered Schoolzilla's micro service environment using CoreOS / Fleet and Rancher / Cattle platforms.

#### **BOUNDARY PROTECTION SPECIALIST, MAINE AIR NATIONAL GUARD – NOV 2006 - PRESENT**

- Develops and maintains tactical information technology networks, systems operations, and product assembly / installation to include disaster recovery, systems security, and hardening.
- Configures, manages, monitors, and troubleshoots various network and application server hardware, operating system software, and peripheral network equipment such as printers, network storage, backup systems & boundary protection (Firewalls/Proxy Servers), for both classified and unclassified networks.

#### **SYSTEMS ADMINISTRATION – JAN 2012 - FEB 2014**

- Key member of the DevOp Team, responsible for managing DeLorme's inReach web environment that supports their two-way text-messaging global communications device providing 99.99% uptime.
- Leveraged free open source technology to create a scalable event and log management system, capable of handling over 35 million events a day and instantly query-able via an AngularJS web Interface.
- Helped implement and integrate automated deployment tools, allowing the deployment of new releases with a single button click, minimizing down time and adding more predictability to the deployment process. (Chef, Octopus Deploy )

#### **LEAD INFORMATION SYSTEM SECURITY OFFICER – AUG 2008 - FEB 2010**

- Responsibly initiated / implemented risk mitigation countermeasures. Performed weekly security audits, and deployed monthly virus / security patch updates on all information systems.
- Developed and implemented an automated auditing tool for the UNIX / Linux environments saving over 6 hours of auditing time per week.
- Utilized computer forensics techniques to investigate security violations and ensured that discrepancies were properly maintained and sanitized to prevent unauthorized disclosure of classified information.

### **Certifications**

Security+ Certified (2010)

Certified Ethical Hacker (2014)