

AARON ESCOTO

DevSecOps | SRE | CloudOps

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A professional with emphasis in cloud operations, micro-service deployments, and working with cross-functional teams to deliver enterprise level services.

Core Skills: Problem Solving, Ownership, Collaboration, Task Automation

Technical Skills: AWS (EC2, RDS, S3, VPC, IAM, Cloud formation, SNS, Lambda, etc), GCP (Compute engine, Cloud Storage, IAM, GKE, Cloud functions, etc), Linux, IaC (Terraform/ Cloud Formation), Active Directory (AD), DNS, DHCP, Kubernetes/k9s/k3s, Ansible, CentOS, Tomcat, Java, Python, Bash, Kafka, Gitlab, Jenkins, SonarQube and more.

Certifications: Google Cloud: Associate Cloud Engineer (issued 2022) exp. 09/25

Security Clearances: Recently held a Public Trust (USPTO, USPS) and Secret clearance (US Army)

PROFESSIONAL EXPERIENCE:

Accenture Federal Services DevSecOps Engineer (November 2021 - February 2024)

I contributed to a diverse set of projects (projects included USPTO, USPS, and Disney), ensuring seamless environment management and optimizing application deployment processes.

USPTO:

- Deployment of FedRamp compliant cloud infrastructure based resources using IaC across multi-account platforms in GCP, and AWS.
- Collaborated on a patent search AI tool using Google AI models to improve accuracy for patent examiners
- Deployment of Google Kubernetes engine (GKE) using terraform, helm to bootstrap infrastructure, and automated security tooling such as SonarQube/Jenkins (SAST)

USPS:

- Maintained "Mail Informed Delivery" application for 62.4 million users, by automating continuous updates, implementing system monitoring, and user satisfaction
- Provided ad-hoc developer support for cloud infrastructure (EC2, RDS, EKS) by resolving issues, optimizing performance, and conducting root cause analysis, resulting in improved system efficiency and developer productivity.

Disney:

- Ensured the scalability and reliability of the amusement park app's infrastructure, supporting millions of daily users by optimizing Kubernetes deployments and automating failover processes, contributing to a 99.99% uptime during peak traffic periods.
- Collaborated with cross-functional teams to proactively monitor infrastructure, using tools like Prometheus and Grafana, to address potential bottlenecks and reduce latency during high-demand events, enhancing the overall user experience.

TiVo Production Engineer (June 2016 - December 2019)

Deployed, configured, diagnosed, and debugged 9 production data centers worldwide to support rapid CI/CD of services via CoreOS and Docker containerization, while maintaining a 24/7 on-call rotation. Additionally, I automated several mundane data center-wide tasks (such as OS upgrades, container checks, etc.) and trained teammates/NOC to manage alerts, develop run-books.

AWS:

- Collaborated on an in-house platform to deploy microservices utilizing Kafka for real-time data streaming
- Maintained physical hardware on VMs via HP onboard/KVM, handled day-to-day admin tasks, troubleshooting, and incident resolution
- Provisioned, and maintained infrastructure on-prem and on client sites
- Successfully deployed microservices and Elastic Beanstalk applications using AWS
- Set up CloudWatch and BigPanda Alerts via AWS GUI, and managed resource access via IAM policies.
- Utilized Splunk for Kafka JMX metrics, and real-time technical triaging

Terraform:

- Created version-controlled configs via Git, deployed microservices to AWS, and wrapped/bootstrapped AWS/OpenStack data centers.

OpenStack:

- Maintained physical hardware and VMs via HP onboard/KVM.
- Handled day-to-day admin tasks, troubleshooting, and incident resolution
- Provisioned new infrastructure on-prem and on client sites

San Jose State University Veteran Services Representative (May 2013 - May 2016)

As a Veteran Services Representative at San Jose State University, I provided counseling to student veterans regarding education benefits and maintained student records for certifications.

- Organized Veteran events to increase campus awareness of Veterans and foster student relations
- Developed a website/webmaster for the Veteran Student Organization to enhance community relations
- Certified thousands of Veteran students through VA ONCE and maintained personal files, ensuring timely certification of benefits

United States Army - Ft. Carson, CO (4th Infantry Division 2-8 Infantry) Cavalry Scout (September 2009 - May 2013)

Assigned to a 30-man platoon and 12-man squad, I led training sessions for the Afghanistan National Police, focusing on anti-terrorism techniques and community security measures.

- Trained local Afghanistan police in anti-terrorism techniques, enabling them to maintain security and prevent hostile activities in their community

EDUCATION:

Bachelor of Science in Computer Science | San Jose State University | 2017