

# AARON ESCOTO

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## DevOps | SRE | CloudOps

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

**Technical Skills:** AWS, GCP, Kubernetes, Linux, Terraform, Python, Kafka, and more

**Certifications:** Google Cloud: Associate Cloud Engineer (issued 2022)

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

### PROFESSIONAL EXPERIENCE:

**Accenture DevSecOps Engineer** (November 2021 - February 2024)

As a member of the Accenture team, I contributed to diverse projects, ensuring seamless environment management and optimizing application deployment processes. My responsibilities included:

#### USPTO:

- Orchestrated environment management across a spectrum of services, I oversaw support escalations, adeptly handled application deployment, and orchestrated upgrades. Leveraging tools such as Kubernetes, GCP, Terraform, Ansible, and Gitlab. I ensured robust operational efficiency and scalability.
- Worked extensively with AI models, based on Google models, to develop a patent search AI tool. This involved implementing cutting-edge technologies and refining algorithms to enhance search accuracy and efficiency for patent examiners.

#### USPS:

- Spearheaded environment management initiatives, leading support escalations and meticulously coordinating application deployment. My role encompassed managing weekly patching rotations and conducting environment triage with a focus on optimizing performance. Utilizing GCP and on-premises bare metal servers, I ensured reliable service delivery and system resilience.
- Managed and orchestrated the "Mail Informed Delivery" application, catering to a rapidly growing user base of 62.4 million active users. This involved handling updates, patching, and incident remediation, ensuring seamless user experience and satisfaction.

#### Disney:

- Ensured the optimal functionality of applications across both cloud and on-premises environments, playing a pivotal role in guaranteeing seamless front-end and back-end operations. Leveraging AWS and Terraform, I maintained high standards of performance, reliability, and security.
- Assisted in managing the underlying infrastructure of the Disney app that supported the amusement park they managed, ensuring its scalability and reliability.

### **TiVo Cloud Engineer** (June 2016 - December 2019)

As a Cloud Engineer at TiVo, I played a key role in developing and maintaining cloud-based solutions, ensuring high availability and scalability for our services. Responsibilities included:

- Collaborated on a new platform to deploy microservices utilizing Kafka for real-time data streaming, maintained physical hardware and VMs via HP onboard/KVM, handled day-to-day admin tasks, troubleshooting, and incident resolution, and provisioned new clusters on-prem and on client sites.
- 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 on the new platform to manage alerts, develop run-books, and assist from triage to resolution.

### **AWS:**

- Successfully deployed microservices and Elastic Beanstalk applications using AWS CLI/GUI/CloudFormation.
- Set up CloudWatch and BigPanda Alerts via AWS GUI, and managed resource access via IAM policies.

### **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 clusters 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.

Responsibilities included:

- 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. Responsibilities included:

- 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