

Jay-Alexander Elliot

Lehi, Utah, Usa

4086561085 jay@elliotdevops.com

[linkedin.com/in/jayalexanderelliot](https://www.linkedin.com/in/jayalexanderelliot)

github.com/jaelliot

jayalexanderelliot.com

Professional Summary

Resourceful, bilingual engineer proffering extensive cloud monitoring, automation, deployment, and troubleshooting skills. Defined, built, and maintained infrastructure using vendor-neutral and platform-specific tools such as Hashicorp Terraform, Ansible, and Python. Organized and focused person with extraordinary leadership acumen.

Excels in building cloud environments with IaC tools, extensive experience with Linux, Unix, and Windows server operating systems. Comfortable with terminal environments.

Skills

- Project Planning
- MacOS, Windows, Linux, FreeBSD
- AWS Cost Explorer, Azure Advisor
- Python, Shell, Powershell
- VMware, Hyper-V, Vagrant
- Docker, Kubernetes, Nomad

- GitHub Actions, ArgoCD
- Packer, Terraform, Ansible, Consul, Vault
- AWS, Azure, GCP, DigitalOcean
- Lucidchart
- Postgres, SQLite, Chroma
- Retrieval Augmented Generation, Llama Index, Groq
- REST APIs
- Typescript, Golang, R, Python, GraphQL

Work History

05/2020 to Current

DevOps Engineer (Contract)

PicoEdge

- Carried out ongoing maintenance of private cloud infrastructure while guaranteeing zero downtime on mission-critical Linux and FreeBSD servers.
- Orchestrated effective implementation of FreeBSD for firewalls and server OS, Ubuntu Linux for machine learning and Confluence for documentation.
- Automated manual tasks through scripting languages and tools such as Python, Shell, Powershell, and Ansible, boosting team productivity levels.
- Investigated new and emerging software applications to select and implement administrative information systems.
- Tested and deployed scalable and highly available software products.
- Improved code deployment efficiency by automating processes with GitHub Actions.
- Reduced system downtime for critical applications by implementing robust monitoring and alerting tools.

- Provided 24/7 on-call support for critical systems, ensuring high availability and rapid issue resolution.

05/2021 to 10/2021

Data Center Technician (Contract)

Redapt, Inc. – Redwood City, CA

- Obtained expertise and experience in RedHat Linux environments and administered and addressed incidents with ServiceNow.
- Served in integral role by executing physical server builds in line with SOPs and QA standards to improve system performance.
- Reduced downtime for clients by swiftly addressing technical issues and performing routine maintenance on servers.
- Dressed and labeled cables for easy identification and traceability.
- Installed and managed structured cabling infrastructure.
- Moved and installed shelves, power strips, rails, servers, switches, and other equipment.
- Identified and reported problem devices and replaced defective parts.
- Continuously researched industry advancements, staying current with technological trends, and providing insightful recommendations for future data center improvements.
- Developed comprehensive documentation for data center operations, promoting consistency in daily procedures and training new staff members effectively.

04/2019 to 06/2019

Server Engineer (Contract)

King Star Computers – Sunnyvale, CA

- Enhanced server performance by implementing optimized configurations and routine maintenance.

- Reduced downtime through proactive monitoring and timely resolution of server issues.
- Improved security measures with regular patch updates and vulnerability assessments.
- Increased efficiency in server deployment through automation of repetitive tasks using scripting languages and tools.
- Maintained up-to-date documentation on server architecture, enabling efficient knowledge transfer within the team.
- Provided expert advice during hardware selection processes, ensuring optimal compatibility with existing infrastructure.

08/2017 to 02/2019

Computer Technician

Staples

- As an in-store technician, I was responsible for repairing a variety of customer electronics, including laptops, tablets, and both Apple and Android smartphones.
- I approached each repair with a "customer first" mentality, diligently diagnosing and resolving problems while offering helpful advice and support.
- Enhanced customer satisfaction by providing timely and efficient computer repair services.
- Collaborated with team members to complete complex repairs efficiently and effectively.
- Managed inventory of spare parts and tools, ensuring all necessary equipment was always readily available for technicians to perform their duties.
- Diagnosed and repaired hardware malfunctions, ensuring optimal computer functionality.

09/2016 to 07/2017

Information Technology Infrastructure Specialist

ROSALIND (Contract)

- Carried out the automation of tasks and parsing of logs with Python, Bash, docker, and Ansible, leading to increases in productivity.
- Provided assistance and support to developers in developing solutions for program errors, as well as performing regular backups to prevent data loss.
- Maintained, evaluated and improved company information technology infrastructure to support key administrative and organizational initiatives.
- Enhanced cloud infrastructure performance by implementing automation tools and optimizing system configurations.
- Developed custom scripts for automating manual tasks, increasing team productivity and minimizing errors.
- Managed vendor relationships, negotiating contracts for cost-effective cloud services solutions.
- Utilized code and modern cloud-native deployment techniques to design, plan and integrate cloud computing and virtualization systems.

Education

- B.S. in Software Engineering, Utah Valley University, Minors: Entrepreneurship, Computer Information Technology (Currently Attending)
- Associate of Applied Science, Mission College, Santa Clara, CA
- Business, Diablo Valley College, Pleasant Hill, CA

Certifications

- AWS Certified Solutions Architect - PicoEdge - January 2024-2027
- Jamf Certified Associate - Jamf Pro February 2024-2027
- Jamf Certified Associate - Jamf Protect February 2024-2027

- DoD CUI Training
- AWS Cloud Practitioner

Affiliations

- Platform Venture Studios
- DevOps Institute

Languages

- English: Native or Bilingual
- Spanish: Professional Working

Achievements

- Developed an AI-driven pet care app
- Published multiple tech tutorials on Linux and WSL-2

Hobbies

- Reading
- Writing
- Hiking
- Exploring the outdoors

Social Media

- LinkedIn: <https://www.linkedin.com/in/jayalexanderelliot/>
- GitHub: <https://github.com/jaelliot>
- Personal Website: <https://jayalexanderelliot.com>
- Side Gig: <https://www.mobilelegalsolutions.com/>