Lee Chapman

DevOps Lead | Senior DevOps Engineer | AI Infrastructure | Cloud Platforms

Sacramento, CA | Remote

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PROFESSIONAL SUMMARY

DevOps Lead with 14+ years of technical experience and 5+ years building and operating large-scale distributed systems in semiconductor and storage.

Expert in Kubernetes, Terraform, Python, and Go with a track record of automating deployments, improving platform reliability, and leading infrastructure initiatives. I take priorities, timelines, and the weight of the work seriously, and stay clear-headed under pressure with a real work-life balance.

Node.js since 2018 for backend services on an **internal engineering test platform**; production experience with **Kubernetes operators** (RabbitMQ, Redis, CloudNativePG, MongoDB, GitHub ARC) and **CSI** (including **TrueNAS CSI** upstream engagement).

Full-lifecycle ownership from design through deployment, monitoring, and incident response in mission-critical production.

Strong in infrastructure automation, performance characterization, root cause analysis, and cloud-native platforms.

CORE TECHNICAL SKILLS

AI-Assisted Development: Cursor (IDE, CLI), GitHub Copilot (IDE, CLI); MCP servers

AI/ML Infrastructure: Freya: containerizing existing projects (Ollama, SwarmUI, ComfyUI) for Kubernetes on NVIDIA CUDA; GPU scheduling (nvidia.com/gpu), NVIDIA Device Plugin; PVC/CSI for model storage

Automation & Tools: Ansible, Helm, Terraform, IaC, GitOps, Fleet

Binary Storage: Artifactory, Harbor, GitLab Packages

CI/CD & Version Control: GitLab CI (container image builds), GitHub Actions

Cloud & Virtualization: Azure, Google Cloud, Proxmox VE, VMware, Hyper-V

Collaboration: JIRA, Confluence

Infrastructure & Orchestration: Kubernetes (RKE2, Rancher), Docker; operators (RabbitMQ, Redis, CloudNativePG / Postgres, MongoDB, GitHub ARC); DataDog on Kubernetes (company deployments)

Languages: Python, Go, Rust, Bash, PowerShell, Java; **Node.js**; HTML, JavaScript, CSS, Angular

Observability & Monitoring: DataDog, New Relic, Splunk, ELK Stack, Grafana Stack

Systems & Storage: Linux, Windows, Networking, Storage (NFS, iSCSI), **CSI** (TrueNAS / multi-node NFS); open-source CSI contributions (see Portfolio)

PROFESSIONAL EXPERIENCE

DevOps Lead | Solidigm | Rancho Cordova, CA | December 2021 – Present

- Lead DevOps practices for engineering teams; design and maintain internal tooling and automation for large-scale application and infrastructure deployment
- **Node.js backend** for an internal **test platform** web application; APIs and integration with engineering workflows (**Node.js since 2018** across roles)
- Deploy and operate **Kubernetes operators** in production (RabbitMQ, Redis, CloudNativePG, MongoDB, GitHub ARC); **DataDog** on clusters per company standards

- Automate deployment workflows improving reliability and velocity through CI/CD pipelines and infrastructure-as-code (Terraform, Kubernetes)
- Collaborate with development and infrastructure teams on system design, capacity planning, and launch readiness
- Drive strategic planning and continuous improvement of deployment processes and operational practices
- Build and maintain distributed systems infrastructure; measure availability, latency, system health; support incident response and blameless postmortems

DevOps Engineer | Intel Corporation | Folsom, CA | April 2020 – December 2021

- Automated application and infrastructure deployment for storage and semiconductor engineering environments using Python, Go, and Terraform
- Partnered with development and infrastructure teams to innovate deployment processes and tools
- Supported full lifecycle management from design through deployment and operation for distributed systems
- Implemented monitoring and observability for production; supported capacity management and launch reviews

Software Engineer | Intel Corporation | Folsom, CA | May 2019 – April 2020

- Developed web applications and tooling for test automation and internal platforms
- Collaborated on requirements, design, and support for delivered features improving developer efficiency

Validation Engineer | Intel Corporation | Folsom, CA | January 2018 – May 2019

- Designed test automation frameworks for storage devices; managed project codebase and automation infrastructure
- Applied systematic problem-solving and root-cause analysis in validation of storage and firmware systems

Test Technician L3 | Kelly Services (Intel contract) | Folsom, CA | November 2015 – January 2018

- Executed firmware and storage device validation; created and maintained test automation scripts and infrastructure
- Supported large-scale validation environments and defect triage

Software Test Engineer / Test Technician | Adecco (HPE contract) | Roseville, CA | February 2011 – October 2015

- Developed and maintained automated test frameworks; wrote and debugged test automation scripts for firmware and security validation
- Monitored test environments, reported defects, and maintained R&D systems supporting large-scale validation operations

EDUCATION

Bachelor of Science, Electronics & Communications Engineering Technology | ITT Technical Institute, Rancho Cordova | 2010–2012

Associate of Science, Computer & Electronics Engineering Technology | ITT Technical Institute, Rancho Cordova | 2008–2010

INTERESTS

Anime, gaming, and continuous learning, currently using AI to solve problems via DataKnifeAI.

PORTFOLIO

GitHub: https://github.com/DataKnifeAI | GitLab: https://gitlab.com/dk-raas/dkai

CSI / storage: TrueNAS CSI #3 (multi-node NFS / ControllerPublishVolume), #4 (StorageClass mapAllUser / mapAllGroup)

Infra / GitOps: rancher-deploy (Proxmox → RKE2, Rancher, TrueNAS storage) · gitops-tools · gitops-dev

Agents / monitoring: pulseblade (Rust, Apache-2.0: collectors, hub, Postgres journal, MCP)