David Michael Lee

Address 555 Buena Vista Avenue West, Apt. 506, San Francisco, CA 94117
Email lastlee@gmail.com
Mobile 415.530.7658

Objective Build and deliver high performing cloud software teams and products

Overview
Thirteen years of experience with DevOps culture, software and site reliability engineering
AWS and datacenter infrastructure operations and platform engineering
CI/CD strategies and execution
Software Architecture: distributed systems, scalable sharding, resiliency patterns
Observability, monitoring, alerting and high quality incident management
SOC2, GDPR, HIPAA, SOX, ITIL and PCI compliance engineering
Diversity, inclusion and psychological safety culture initiator

Employment

Autodesk—San Francisco, CA
Principal DevOps Engineer, Product Owner - Forge Platform
August 2016–May 2019

- Deliver resiliency as a comprehensive product within Cloud Infrastructure
- Manage SOC2 and GDPR compliance and remediation efforts
- Design and improve consistency for automated AWS deployments
- Standardize on best practices with immutable infrastructure with Packer, Terraform and Terragrunt
- Gain deep insight into application and infrastructure behavior with monitoring and observability
- Promote culture of ownership and responsibility to establish high levels of teamwork efficiency
- Engage in weekly service performance and resiliency reviews to continually improve
- Develop a pattern for "Incident-to-Improvement" reviews to continually learn and improve
- Prioritize team work items to achieve organizational goals and objectives
- Participate in Slack Admin duties for the Autodesk main workspace with over 12,000 users
- Develop and execute on rock-solid OKRs as a Forge OKR Champion

Marin Software—San Francisco, CA
Senior Site Reliability Engineer
July 2014–August 2016

- Continually improve engineering productivity by designing new processes and tooling
- Responsible for over 2,400 physical racked datacenter devices
- Lead the Ops JIRA Agile boards and administer over 50 teams and projects
- Build and maintain environments for dev, QA and production
- Own service architecture design from conception to implementation and maintenance
- Develop CI pipeline using Jenkins and Docker to be robust and scalable
- Perform in-depth post-mortem analyses and propose solutions to improve system reliability
- Design scalable, large distributed systems using big data platform technology and processes
- Automate Spark application deployments across multiple environments
- Adapt new platform technologies like Phoenix, Presto, HBase and Hadoop
- Collaborate with engineers in Shanghai, NYC, London, Portland, Las Vegas and SF
- Participate in on-call pager rotation (tier-1) for incidents and escalations
- Advise technical direction in the Architecture Review Board
- Evaluate new technologies for production readiness in a labs environment
- Investigate system performance with Graphite and Grafana (experimentally with InfluxDB)
- Implement highly scalable Kafka pub/sub model for low-latency message queuing
- Adhere to SOX compliance for auditing and regulation purposes
- Contribute to Mantl, an open source project on Github based on Mesos, Marathon and Docker

Cave Consulting Group, Inc.—San Mateo, CA
Systems Administrator
June 2013–July 2014

- Overhaul existing IT infrastructure and processes
- Negotiate pricing and contract terms for hardware and software purchases
- Create HIPAA documentation to safeguard PHI and enforce IT security policies
- Engineer software deployment solutions for health system clients
- Participate in client pre-sales calls and technical RFPs
- Investigate Hadoop as a next-generation platform for offline batch analytics
- Maintain internal and customer SQL Server databases
- Design server room and office build-outs while coordinating with contractors
- Utilize VMware vSphere to maximize application scalability and performance

TMC Communications / 5LINX Enterprises, Inc. (acquisition)—Santa Barbara, CA
Systems Administrator and Software Engineer
January 2006–June 2013

- Grow IT support from 20 workstations and servers to over 300 devices
- Implement disaster recovery procedures and documentation
- Maintain internal wiki for IT procedures
- Develop a software development lifecycle plan
- Administer Oracle 10g and 11g databases
- Build internal billing and rating software in ASP.NET and Oracle
- Port legacy applications from Visual Basic to ASP.NET
- Consolidate server room from primarily physical infrastructure to virtual
- Oversee the integration of multiple IT infrastructures through a company acquisition
- Work with carriers to resolve issues with DTMF truncation
- Implement Business Process Management software and procedures

Education

Santa Barbara City College
Computer Science
August 2007–May 2013