

# JOSEPH LAMOREE

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**SENIOR DEVOPS ENGINEER** with 20+ years of success leading web application development and SaaS software businesses using proven software lifecycle best practices. Highly skilled and passionate about designing, building, maintaining, monitoring, automating, and continuously improving enterprise infrastructure and application delivery. Sought-after mentor who eagerly shares hard-won technical knowledge, business acumen, and diverse case studies and success stories with junior engineers. Known for superior troubleshooting skills in time-sensitive, mission-critical scenarios. Preference for remote positions; willing to travel.

*"It was my privilege to work closely with Joseph for several years on numerous projects for multiple clients in the government, academic, and private sector. While top-notch developers have deep expertise in certain areas, Joseph's knowledge spans an incredibly wide spectrum. His thirst with knowledge is insatiable. The more technically adept and competent the client counterpart, the more respect they have for Joseph. I cannot recall a client that did not want to hire him away from us. He's the MVP, a rare talent. Joseph is a phenomenal person."*

**Robert Norris, Principal at Robert Norris Content Services**

*"It was great working with Joseph during our AWS ProServe Migration and Data Lake Engagement. Joseph not only worked very closely with the team to make sure that the timeline was met but on multiple occasions went above-and-beyond to make the right design decisions. The tremendous team effort led by Joseph from the customer side led to multiple successful engagements with AWS teams. Joseph is an integral asset and a great cheerleader who shows a deep sense of delivering results and customer obsession."*

**Dhiman Roy, Cloud & Digital Transformation Leader at AWS**

## Professional Experience

**GELI**, San Francisco, CA

**Staff DevOps Engineer** (Fully Remote), May 2022 to Present

*Modernizing and automating engineering workflows, primarily in Kubernetes and AWS, with a focus on tightened security and reliably repeatable environment configuration.*

- Organized disparate methods of application deployment and configuration, enabling multi-account, multi-region cluster consistency by structuring Helm chart customization using Helmfile environments with Terraform and Terragrunt.
- Supported and advised dozens of engineers on best-practices for cloud-native application development by performing research and providing example code demonstrating the optimal solution given the understood constraints.
- Performed analysis for AWS cost reductions using resource tagging and workload labeling, by tapping into Athena CUR data directly and identifying potential savings. Leveraged Kubecost to expose workload efficiency metrics and make resource recommendations.
- Increased performance and stability by standardizing Prometheus metrics collection and log indexing with Fluent Bit and OpenSearch, guiding developers on using the system to locate relevant logs to resolve issues.
- Advised teams on best practices for application deployment in EKS to execute with the least permissions necessary using IRSA and managed policies with Terraform.
- Designed and implemented a transition to AWS SSO, bringing multiple companies and partners into a common managed directory to provide access to 50+ AWS Accounts and SAML applications.

**ECIVIS**, Pasadena, CA

**Principal Engineer/Architect** (Fully Remote), September 2009 to April 2022

*Leading a team of 10 software engineers, oversee the infrastructure planning and architecture system practice. Deliver successful applications, ReSTful APIs, and microservices for thousands of enterprise customers. eCivis provides SaaS grant management systems and free/open data tools used by state, local, and tribal governments for program budgeting, cost allocation, and federal reporting.*

- Led the company-wide effort to adopt DevOps methodologies and practices, which modernized application deployment strategy, informed new product development, and enabled more rapid growth
- Transitioned the entire business to a multi-account AWS infrastructure in 60 days: after receiving RFPs from state government agencies with requirements that could not be met at Lumen, engaged with AWS ProServe for all infrastructure,

comprising dozens of virtual machines, database servers, applications, VPNs, and APIs—as a result, met the clients’ needs and secured multiyear contracts worth millions of dollars

- Brought the company into compliance with Infrastructure-as-Code (IaC) guidelines for visibility and maintainability
- Designed and implemented a replacement for a COTS search engine, which had limited indexing capabilities and no room for innovation: created a faster and more reliable search solution using Apache Solr with multiple custom cores to support individual record replacement, specialized filtering features, automated customer searches, and real-time updates
- Created and managed dozens of project repositories by reviewing pull requests, encouraging improvements, maintaining an incredibly high level of quality
- Built an automated functional testing infrastructure to catch regressions quickly using Jenkins and Selenium to execute test suites on a matrix of web browsers
- Mentored software engineers to provide OOP and pattern guidance, assisting in the transition from traditional development to virtualized/containerized environments, and instilling best practices for security and reliability

**LAMOREE SOFTWARE**, Newbury Park, CA

**Owner and Principal Consultant**, October 1994 to Present

*Created custom database solutions for small companies and individuals, purely through word-of-mouth networking, enabling clients to go paperless and grow their business.*

- Wrote an e-commerce solution from scratch, supporting subscriptions and products with arbitrary attribute combinations
- Created payment gateway connectors for PayPal and Authorize.net, contributing to the community as open source
- Published open-source libraries for interacting with DNS and Lucene
- Contributed security and functional enhancements to popular application frameworks
- Created web publishing systems for individuals to manage their own websites before Squarespace and WordPress existed

**TELEOLOGIC LEARNING COMPANY**, Atlanta, IL

**Systems Architect**, 2001 to 2009

*Pushed the boundaries of learning management technology by developing and maintaining one of the first LMS systems capable of managing hybrid online and onsite cohorts of students. Enabled post-graduate institutions and federal agencies to reach their program objectives. Advocated for participating in open-source software efforts for the mutual benefit of the company and community.*

**NEXTRON INTERACTIVE**, San Jose, CA

**Director of Technology**, 1998 to 2001

*Led a small team of web developers to create custom applications for a variety of clients. Wrote e-commerce applications, created a magazine’s first website, structured intranets to serve as knowledge repositories, and B2B sales services. Many of the new solutions matured well and continued to add value years after departing the company.*

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## Public Speaking

Presenter, “Beyond Git 101” at Inland Empire ColdFusion User Group 2010

Presenter, “Automating CFML App Build, Test, and Deploy” at OpenCF Summit 2011

Presenter, “NGINX and CFML Apps” at cf.Objective() 2013

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## Technical Expertise

- **20+ Years of Experience:** SQL/RDBMS, Linux, Bash, CFML, Java, JavaScript, HTML/XML/CSS, BIND, Postfix, and Networking Technology

- **8+ Years of Experience:** Amazon Web Services (AWS), NGINX, Apache Solr, Apache Tomcat, ReST, Node.js, Angular, jQuery, Ansible, Git, Jenkins, Rundeck, Selenium, and DevOps Practices
- **4+ Years of Experience:** Docker, Python, and HAProxy
- **Currently Learning:** The DynamoDB Book

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## Education & Certification

**AWS Certified Cloud Practitioner**, Jan 2022

**AWS Certified Solutions Architect - Associate**, Feb 2022

**AWS Certified Developer - Associate**, Mar 2022

**AWS Certified SysOps Administrator - Associate**, Jun 2022

**AWS Certified Security - Specialty**, In Progress

**Red Hat Certified Engineer (RHCE)**, Red Hat, 2003

**Associate of Science (AS) in Preparation for Metallurgical Engineering**, Cuesta College, San Luis Obispo, CA