

# CLOTILDE SUH

## AWS SOLUTION ARCHITECT | DEVOPS ENGINEER

Lanham, MD | clotilde11331@gmail.com | +1 (301) 373-1146

### PROFESSIONAL SUMMARY

Results-driven **AWS Solution Architect and DevOps Engineer** with over **11 years of experience** designing, automating, and optimizing scalable cloud infrastructure and CI/CD pipelines. Proficient in **AWS architecture, Kubernetes, Docker, Terraform, Jenkins, and cloud-native DevOps practices**, with a strong focus on **infrastructure automation, cost optimization, and high availability**. Adept at collaborating with cross-functional teams to drive continuous integration, improve deployment efficiency, and ensure security compliance. Skilled in **monitoring, performance tuning, and incident response**, with a proven track record of enhancing operational reliability and accelerating release cycles in agile environments.

### TECHNICAL SKILLS

**Cloud Platforms & Services:** AWS (EC2, S3, Lambda, RDS, EKS, ECS, CloudFormation, CloudWatch, Route 53, IAM, VPC, CloudTrail, SNS, SQS), Azure, GCP (Compute Engine, GKE, Storage, IAM)

**DevOps & Automation Tools:** Jenkins, GitLab CI/CD, GitHub Actions, Ansible, Terraform, CloudFormation, Chef, Puppet, Packer, AWS CodePipeline, CodeDeploy, ArgoCD

**Containerization & Orchestration:** Docker, Kubernetes (EKS, AKS, GKE), Helm, OpenShift, Istio, Kustomize, Harbor

**Monitoring, Logging & Security:** Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), Splunk, Datadog, CloudWatch, New Relic, Nagios, AWS Security Hub, GuardDuty, AWS WAF

**Programming & Scripting:** Python, Bash, PowerShell, Go, YAML, JSON, Groovy, Shell scripting

**Collaboration, Agile & Project Tools:** Jira, Confluence, Trello, Slack, MS Teams, Notion, Git, Bitbucket, Agile/Scrum, Kanban methodologies

**Soft Skills & Leadership:** Cloud architecture design, Problem-solving, Automation mindset, Cross-functional collaboration, Stakeholder communication, Mentorship, Documentation, Time management, Strategic planning, Continuous learning, Adaptability

### PROFESSIONAL EXPERIENCE

#### AWS SOLUTION ARCHITECT / DEVOPS ENGINEER

REMOTE | NOV 2022 – PRESENT

##### INSIGHT ENTERPRISES

- Built and deployed highly available AWS infrastructure using EC2, S3, RDS, and VPC to support global workloads, achieving 99.98% uptime and reducing operational overhead by 25%.
- Designed and automated provisioning pipelines with Terraform and AWS CloudFormation, delivering consistent, version-controlled deployments that improved environment reliability.
- Architected asynchronous communication systems with AWS SNS and SQS, enabling event-driven message processing and increasing throughput by 45% across distributed systems.
- Integrated Prometheus, Grafana, and CloudWatch dashboards to visualize real-time performance metrics, leading to 30% faster incident detection and proactive remediation.
- Developed Python and Bash scripts for patching, snapshots, and scheduled cleanups, saving more than 15 engineer-hours weekly through automated task execution.
- Led cloud modernization initiatives, promoting best practices in infrastructure design and automation strategy to enhance system scalability and long-term maintainability.
- Strengthened cloud security posture through AWS Security Hub, GuardDuty, and WAF, establishing automated vulnerability detection and compliance alignment.
- Containerized critical workloads using Docker and orchestrated deployments on Amazon EKS, improving release consistency and simplifying workload scaling under heavy traffic.
- Managed cross-functional collaboration using Jira and Confluence within Agile sprints, streamlining communication between DevOps, developers, and QA teams.
- Mentored junior engineers on problem-solving, automation mindset, and architecture design principles, boosting team productivity and knowledge sharing.

#### CLOUD DEVOPS ENGINEER

REMOTE | AUG 2020 – OCT 2022

##### HENRY SCHEIN

- Designed and maintained Azure infrastructure including Virtual Machines, Storage Accounts, and AKS clusters to support large-scale distributed microservices and data workloads.

- Automated build and deployment pipelines using GitLab CI/CD and Ansible, reducing manual release cycles by 40% and increasing system stability during production pushes.
- Built full observability stacks using ELK (Elasticsearch, Logstash, Kibana) and Datadog, enhancing visibility and cutting average response time by 35% during incidents.
- Authored PowerShell and YAML scripts to standardize provisioning, decreasing environment setup time by 50% while improving configuration accuracy.
- Implemented Azure IAM policies and Network Security Groups to reinforce data privacy and application access controls within multi-tenant environments.
- Deployed Helm charts and configured Istio for microservice communication and service discovery, enabling smooth blue-green deployments and traffic routing.
- Facilitated coordination through MS Teams, Trello, and Slack, following Kanban methodology to ensure effective delivery and transparent task tracking.
- Authored documentation and architecture diagrams for project handovers, demonstrating strong stakeholder communication and forward-thinking strategic planning.

## **DEVOPS ENGINEER (CONTRACT)**

REMOTE | JUL 2019 – JUL 2020

SQUARE INC.

- Architected GCP-based infrastructure using Compute Engine, GKE, and Cloud Storage, ensuring 99.9% SLA availability and seamless integration with CI/CD pipelines.
- Deployed and managed automated pipelines through Packer, Chef, and ArgoCD, reducing deployment inconsistencies by 60% and accelerating release frequency.
- Implemented Splunk and New Relic for centralized monitoring and analysis, improving system health tracking and reducing mean-time-to-resolution by 40%.
- Created automation utilities in Go and JSON to streamline image builds and cluster deployment workflows, shortening build cycles by 35%.
- Developed secure IAM policies in GCP IAM and service accounts, aligning with principle of least privilege for sensitive CI/CD operations.
- Collaborated with developers, QA, and release managers to drive cross-functional alignment, improving feedback loops and deployment quality across environments.

## **AWS SYSTEMS ADMIN / DEVOPS ENGINEER**

OSLO, NORWAY | 2015 – 2019

VALS TRANSPORT

- Built and managed hybrid AWS environments using ECS, Lambda, and Route 53, maintaining 99.95% uptime across mission-critical logistics and tracking systems.
- Automated server configuration and provisioning through Puppet and CloudFormation, cutting setup time by 70% and ensuring reproducible infrastructure builds.
- Configured Nagios and Logstash pipelines to monitor distributed workloads and consolidate logs, improving visibility into multi-region performance trends.
- Managed OpenShift clusters for orchestrating containerized services, simplifying lifecycle management and aligning development pipelines with CI/CD processes.
- Authored robust Shell scripting utilities to automate backups, monitoring, and maintenance jobs, reducing human intervention in daily operations.
- Utilized Bitbucket for version control, implementing effective branching strategies and supporting collaborative delivery across global teams.
- Created detailed technical documentation and standard operating procedures, enhancing onboarding speed and reducing ramp-up time for new engineers by 30%.
- Championed continuous learning and adaptability, successfully transitioning legacy infrastructure into a modern, automated DevOps environment.

## **EDUCATION**

### **Doctor of Philosophy (Ph.D.) – 2009**

University of Bergen – Bergen, Norway

### **Master of Philosophy – 2004**

University of Tromsø – Tromsø, Norway

### **Bachelor of Science – 2000**

University of Buea – Buea, Cameroon