

SUMMARY

Results-oriented Site Reliability Engineer with 10+ years of experience specializing in cloud cost optimization and infrastructure efficiency.

Proven track record of reducing AWS expenses >50%, implementing zero-downtime migrations, and architecting scalable, cost-effective cloud solutions. AWS/CKA-certified engineer passionate about maximizing ROI through strategic resource management, infrastructure automation, and data-driven cost controls.

EXPERIENCE

Sr. Site Reliability Engineer 2022 - Current
Autify, Inc.

Tokyo, Japan

- Orchestrated mission-critical workload migration from ECS Fargate to EKS with zero downtime, increasing system reliability while preserving all customer functionality
- Reduced AWS infrastructure costs by approximately 50% within first year through strategic resource optimization, reserved instance planning, and architecture refinements
- Reduced cloud expenditure by several thousand dollars monthly through S3 optimization initiatives, logging reduction strategies, network traffic optimization, and targeted resource rightsizing
- Implemented comprehensive cost observability mechanisms including Amazon CUDOS and custom pipelines into Holistics, providing leadership with cost visibility dashboards, anomaly detection, and proactive budget alerts

Sr. Technical Account Manager 2019 - 2022
Amazon Web Services (AWS)

San Diego, CA

- Provided architectural and practical guidance to cloud engineering and software development teams to improve resiliency, efficiency, performance, and costs
- Assisted enterprise customers in the formulation and improvement of overall workload observability posture and reporting on service level objectives for a given application's services
- Assisted customers in capacity planning and management for AWS hosting based on E2E user flow profiles
- Boosted enterprise cloud operations team velocity by escalating support cases while simultaneously helping troubleshoot and optimize services in AWS

Full Stack Developer 2016 - 2019
SAIC

San Diego, CA

- Engineered an internal automation platform using PHP7 (Laravel), JavaScript, and MySQL that reduced manual processes across various departments
- Designed and implemented CI/CD pipelines with Atlassian Bamboo, increasing deployment frequency by while reducing errors
- Administered self-hosted Atlassian ecosystem (Jira, Confluence, Bamboo, Bitbucket, HipChat) on VMware infrastructure, including server maintenance, application upgrades, and MySQL database optimization

Software Engineer 2014 - 2016
THALES RAYTHEON Systems

Fullerton, CA

- Performed international system integration for C4ISR environments in Saudi Arabia, completing deployments 15% ahead of schedule by helping develop automation scripts that reduced system provisioning time from days to hours
- Earned achievement award for completing System Level Use Case 200+ hours under budget while exceeding all customer requirements
- Implemented and managed modern CI/CD pipelines with Jenkins and Git, replacing legacy ClearCase systems and reducing build times and deployment complexity

Senior Service Center Analyst / Field Engineer 2012 - 2013
Foster Farms

Livingston, CA / Farmerville, LA

- Provided comprehensive IT support including desktop troubleshooting, SOP creation, SharePoint optimization, OS deployments, and hardware management
- Managed end-to-end support for diverse technology stack including desktops, printers, telecom equipment, servers, networks, surveillance systems, and mobile devices across multiple facilities
- Enhanced infrastructure security and performance through server health monitoring, trend analysis, and strategic system upgrades while collaborating with the infrastructure team

Help Desk Analyst 2008 - 2009
Ridgecrest Regional Hospital

Ridgecrest, CA

- Assisted in the daily operations of the Information Systems department working both independently and in cohesive teams
- Took on several large projects including the installation of roughly 30 wireless access points, hard wiring a newly constructed building with category 6 cables, and the installation of server hardware and software
- Provided an additional communication channel between the IS manager and other department staff working closely with the CIO

SKILLS & PROFICIENCIES

Proficient

Amazon Web Services (AWS), Kubernetes, Cost Engineering, Python, Infrastructure as Code (Terraform, CDK, CloudFormation), DevOps, Google Cloud Platform (GCP), Linux, Windows Server (PowerShell), SQL (Postgres, MySQL, Amazon Athena), Observability (Prometheus, Grafana, Fluent Bit), CI/CD (CircleCI, GitHub Actions)

Currently Learning

Go (Golang)

PROJECTS

personalized-aws-features

This project attempts to cut through AWS announcement noise by analyzing actual AWS usage through Cost Explorer data, fetching recent AWS announcements, and using Amazon Bedrock (Default: Amazon Nova Lite) to determine which announcements are relevant to your services. Notifications can be viewed in the CLI or sent directly to a Slack channel.

k8s-autoscaler-benchmark

The k8s-autoscaler-benchmark can be a useful tool for administrators and developers looking to optimize the scaling capabilities of their EKS clusters. The tool offers a streamlined process for benchmarking the performance of Karpenter and Cluster Autoscaler for EKS workloads.

Matt Hopkins Resume (AWS TypeScript CDK)

I've also built out this resume to deploy on CloudFront using the [AWS CDK](#) much like sk-site-s3-cdk. The site is hosted entirely serverless leveraging AWS free tier and is replicated worldwide via CloudFront's globally distributed edge networks.

PUBLICATIONS

Speed Meets Security: How Bottlerocket Optimizes EKS Workloads

Comparison of Bottlerocket, Amazon Linux 2 (AL2), and Amazon Linux 2023 (AL2023) as EKS worker node operating systems, highlighting Bottlerocket's superior security, startup efficiency and native container image caching for Kubernetes workloads.

[\[Archive Link\]](#)

Leveraging Amazon S3 with Athena for Cost Effective Log Management

Technical post diving into our experience at Autify where we transitioned from a default Amazon CloudWatch Logs deployment to Amazon S3 with Athena for managing application logs in order to save thousands of dollars a month on our AWS bill.

[\[Archive Link\]](#)

Solutions for Cost-Effective EKS Control Plane Logging

Technical deep dive into cost optimization strategies for Amazon EKS Control Plane logging.

[\[Archive Link\]](#)

EDUCATION

Bachelor of Science - Management Information Systems 2009 - 2012
California State University, Chico



Matt Hopkins

Sr. Site Reliability Engineer @
Autify

SOCIALS

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moebaca

CORE TOOLS & LANGUAGES

AWS

Python

Terraform

CERTIFICATIONS

Certified Kubernetes Administrator (CKA) [Credential ID: LF-883ujrrex4]

CompTIA Security+ - SY0-601

AWS Certified Solutions Architect – Professional

AWS Certified Security – Specialty

AWS Certified Developer - Associate

AWS Certified SysOps Administrator - Associate

AWS Certified Solutions Architect - Associate

INTERESTS

Kubernetes

Cost Optimization

Infrastructure as Code

Observability