

Arun Kumar

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DevOps Engineer | Cloud Engineer | Site Reliability | AWS & Azure Certified Solutions Architect

DevOps and Site Reliability Engineer with 5 years of experience managing and supporting cloud-based systems across **AWS**, **Azure**, and **GCP**. Proficient in deploying and maintaining containerized workloads using **Kubernetes**, and skilled in implementing monitoring and observability solutions with **Datadog**, **Prometheus**, and **Kibana**. Experienced in infrastructure automation using **Terraform** and **CloudFormation**, as well as system-level debugging and incident response in high-availability SaaS environments. Demonstrates strong communication skills, a customer-focused approach, and a commitment to improving system reliability, scalability, and operational efficiency.

SKILLS

Cloud Platforms: AWS (EC2, S3, RDS, Lambda, ECS, CloudFormation, AWS SNS), Azure (VMs, AKS, Azure AD, Azure B2C, Azure Monitor, Azure Service Bus, AKS), GCP (GKE, Cloud Run, BigQuery)

Containerization & Orchestration: Docker, Kubernetes, Helm, Kustomize

CI/CD & Automation: Jenkins, GitLab CI/CD, GitHub Actions, Azure DevOps, CircleCI, YAML

Infrastructure as Code: Terraform, Ansible, Pulumi, CloudFormation, ARM Templates, Bicep

Monitoring & Observability: Prometheus, Grafana, ELK Stack (Elasticsearch, Kibana), Datadog, Dynatrace, Splunk

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, Jira, Confluence, Agile

Scripting & Programming: Python, Bash, PowerShell, YAML, Groovy, Golang

Operating Systems: Linux (Ubuntu, CentOS, RHEL, Amazon Linux)

Database Technologies: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB

Security & Compliance: HashiCorp Vault, AWS IAM, RBAC, SSL/TLS, SonarQube, Veracode

Service Mesh & Networking: Istio, Linkerd, NGINX, HAProxy, Load Balancers, VPC, Ingress, NAT, DNS, Subnetting

DevSecOps: Vulnerability remediation, compliance scanning, change management

Platform Support: Java/.NET-based platforms, SaaS Infrastructure

WORK EXPERIENCE

Nevvon

Mar 2023 – Present

DevOps Engineer • Canada

- Architected and managed **AWS** infrastructure, including EKS clusters, RDS (MySQL/PostgreSQL), EC2, S3, IAM, ALBs, and VPCs, ensuring resilient and scalable environments across dev, staging, and production.
- Successfully upgraded multiple RDS instances enrolled in Extended Support, minimizing downtime using Blue/Green deployments and automating the workflow through playbooks.
- Built CI/CD pipelines in GitHub Actions to streamline deployment, testing, and rollback for microservices and containerized apps.
- Spearheaded **GitHub Actions** pipeline migration and optimizations to accelerate feature rollout while improving deployment reliability.

- Implemented **GitOps** deployment pipelines using **ArgoCD** to manage Kubernetes resources on EKS, ensuring consistency and rollback capabilities.
- Implemented automated infrastructure provisioning using Terraform and Ansible, deploying scalable resources across AWS environments.
- Integrated pre-commit checks, code templating, and pipeline security scanning using Cookiecutter, Checkov, and Snyk for compliance and best practices, emphasizing DevSecOps principles.
- Managed 600+ CloudWatch alarms with routing and escalation configured via PagerDuty and automated through OpsLevel integrations.
- Developed and documented incident response playbooks, improving MTTR and aligning with ITIL and change management standards.
- Monitored cloud infrastructure and production environments using Prometheus, Grafana, and CloudWatch, proactively responding to performance issues and system alerts.
- Maintained OpenSearch clusters for log aggregation and operational visibility across services.
- Actively participated in incident response and on-call rotations using FireHydrant, conducting root cause analysis and contributing to long-term fixes.
- Documented runbooks, infrastructure patterns, and standard operating procedures in Confluence, supporting onboarding and platform operations.
- Mentored and coached team members by translating customer needs into actionable requirements and sharing knowledge through hands-on sessions.

Jabil Inc

Oct 2021 – Feb 2023

AWS DevOps Engineer • New York

- Designed and implemented CI/CD pipelines for multiple development teams using **GitLab CI**, dramatically reducing deployment time and enabling frequent daily deployments.
- Migrated legacy monolithic applications to containerized microservices architecture, significantly improving system scalability and reducing resource consumption.
- Automated infrastructure provisioning using Terraform and Ansible, managing extensive AWS resources across multiple environments with full consistency and eliminating manual errors.
- Established centralized logging and monitoring using **ELK Stack** and **Datadog**, processing high volumes of daily logs and creating automated alerting that substantially reduced false positives.
- Implemented blue-green deployment strategy with automated rollback capabilities, achieving zero-downtime deployments and significantly reducing customer-facing incidents.
- Worked with compliance and GRC teams to prepare for SOC 2 Type II audits by implementing cloud controls, gathering evidence via AWS Security Hub, and automating audit workflows.
- Implemented cloud monitoring frameworks to proactively monitor cloud environments, enabling real-time visibility, faster incident response, and improved system reliability across distributed architectures.
- Designed, deployed, maintained, and scaled secure infrastructure using Atlantis, with a focus on virtualization and containerization best practices.
- Designed and supported production-grade Kubernetes infrastructure on AWS (EKS), with Helm charts for service deployment and scaling.
- Built and optimized infrastructure using Infrastructure as Code tools, including Terraform and CloudFormation, reducing manual config drift and enabling audit-ready deployments.
- Implemented networking and security standards using AWS VPC, IAM, EC2, ELB/ALB, NAT Gateways, and DNS for SaaS environments.
- Automated routine system maintenance using Bash scripts and scheduled jobs, ensuring system uptime and reducing manual intervention.

Hexaware Technologies

May 2020 – Jul 2021

Cloud Engineer • Chennai, India

- Maintained Linux servers (Ubuntu, CentOS) including system updates, security patching, and performance optimization, ensuring excellent uptime across extensive server infrastructure.
- Assisted in AWS infrastructure setup and management, including EC2 provisioning, S3 bucket configuration, and basic networking tasks.

- Created and maintained comprehensive documentation for server configurations, deployment procedures, and troubleshooting guides, significantly improving team knowledge sharing.
- Performed routine database maintenance tasks including backups, monitoring, and basic performance tuning for MySQL instances.
- Supported senior engineers in CI/CD pipeline maintenance and basic automation tasks using Jenkins and shell scripts.
- Participated in on-call rotation, gaining valuable experience in incident response and production issue resolution.
- Actively participated in the DevOps community, contributing to discussions and continuously learning to better align solutions with evolving customer demands.

CERTIFICATIONS

AWS Certified Solutions Architect

Microsoft Certified : Azure Fundamentals

EDUCATION

Bachelor's in Computer Sciences

Vidya Jyothi Institute of Technology • India • GPA: 8.4/10

Jun 2016 – Apr 2020

PROJECTS

Multi Modal Researcher

- Built a multi-modal workflow to generate **research reports** and **2-speaker podcasts** using AI-driven search and video analysis.
- Integrated **Gemini 2.5** for Google Search, YouTube understanding, and advanced TTS with distinct voices.
- Deployed locally and in **Docker**, enabling flexible use across development and production environments.
- Designed modular architecture with dynamic .env configuration for model selection and runtime control.
- Enabled interactive use via **LangGraph Studio UI** and auto-generated **OpenAPI docs** for API access.
- GitHub Link: <https://github.com/arun-t23/multi-modal-researcher>

Digital Portfolio – React + Vite

- Developed a personal portfolio website using React + Vite, designed to showcase DevOps projects, technical skills, and certifications.
- Built with responsive UI using Tailwind CSS and deployed seamlessly to the web using Vercel.
- Configured project structure for easy scalability and content updates using modular components and JSON-based data.
- Github Link: <https://github.com/arun-t23/devops-portfolio>