ASHWANI SAHOTA

SENIOR CLOUD & INFRASTRUCTURE ARCHITECT | DEVOPS & PLATFORM ENGINEERING | TECHNICAL LEADERSHIP

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PROFESSIONAL SYNOPSIS

Cloud and infrastructure professional with 15+ years of experience in multi-cloud administration, architecture, DevOps, production operations and technical consulting. Combines hands-on deployment and troubleshooting with platform design, infrastructure governance and technical leadership. Experience across government, healthcare-oriented environments, SaaS and real-time application platforms.

CORE COMPETENCIES

Multi-cloud architecture • Cloud administration • Kubernetes & container platforms • CI/CD automation • Infrastructure as Code • Production troubleshooting • High availability & disaster recovery • Performance and cost optimization • Technical leadership

TECHNICAL SKILLS & TECHNOLOGY STACK

CLOUD & COMPUTE	Amazon Web Services (AWS) · Microsoft Azure · Google Cloud Platform (GCP) · EC2 · Virtual Machines · Azure infrastructure · Serverless / AWS Lambda
KUBERNETES & CONTAINERS	Kubernetes · Amazon EKS · Azure AKS · Google GKE · Docker · Helm · Amazon ECS · AWS Fargate · ECR · GCR
INFRASTRUCTURE AS CODE	Terraform · AWS CloudFormation · Infrastructure provisioning · Configuration and deployment automation
CI/CD & SOURCE CONTROL	Jenkins · GitLab CI/CD · Azure DevOps Pipelines · AWS CodeCommit · AWS CodeDeploy · Git · SVN
LINUX, WINDOWS & VIRTUALIZATION	Linux / Debian / CentOS · Windows Server · VMware ESXi · IIS · Apache HTTP Server · Nginx · PXE · WSUS
NETWORKING, IAM & SECURITY	Load balancing · Reverse proxies · FortiGate · Cyberoam · OpenVPN · Keycloak / SSO · CAS · SSL/TLS infrastructure
DATABASES, CACHE & MESSAGING	Microsoft SQL Server (HA) · PostgreSQL / Amazon RDS · MySQL · MongoDB · DynamoDB · Redis / ElastiCache · Apache Kafka · ZooKeeper · SQS
OBSERVABILITY & RELIABILITY	Prometheus · Grafana · Nagios · Monitoring & alerting · HA/failover · Disaster recovery · Backup · Autoscaling · Load/stress testing
APPLICATION & INTEGRATION PLATFORMS	Node.js hosting / clustering · Python / Django deployments · Angular hosting · WebSockets · Socket.IO · AWS SES · Cognito
REAL-TIME & MEDIA INFRASTRUCTURE	WebRTC · Jitsi Meet · Coturn · XMPP · ejabberd · MongooseIM · Wowza · Video-on-demand / live streaming
AI / LLM DEPLOYMENT & MODEL SERVING	OpenAI API · Azure OpenAI Service · Amazon Bedrock · Google Vertex AI · Hugging Face Hub / Transformers · Ollama · vLLM · NVIDIA Triton Inference Server · Text Generation Inference (TGI) · GPU compute / NVIDIA CUDA · Model quantization (GGUF, AWQ, GPTQ) · Docker / Kubernetes inference workloads
MLOPS, LLMOPS & AI OBSERVABILITY	MLflow · Kubeflow · KServe · Seldon Core · Ray Serve · BentoML · Model registry · Model versioning · CI/CD for ML · Evaluation pipelines · LangSmith · Langfuse · Arize Phoenix · Prompt/version management · Inference monitoring · Token and GPU cost monitoring
DNS, DOMAIN & EDGE MANAGEMENT	DNS zones and records (A, AAAA, CNAME, MX, TXT, SRV, CAA) · AWS Route 53 · Azure DNS · Google Cloud DNS · Cloudflare DNS · Domain registrars and delegation · DNSSEC · DNS failover · CDN · Cloudflare / CloudFront · SSL/TLS · ACME / Let's Encrypt · SPF · DKIM · DMARC
NETWORK ENGINEERING & CONNECTIVITY	VPC / VNet design · Subnets · Route tables · NAT gateways · Internet gateways · VPN / site-to-site VPN · VPC peering · Transit Gateway · Azure Private Link · Private endpoints · Network security groups · Security groups · WAF · L4/L7 load balancers · Ingress controllers · TCP/IP · BGP basics
IDENTITY, SECRETS & SECURITY	AWS IAM · Microsoft Entra ID · Azure RBAC · Google Cloud IAM · OAuth 2.0 · OpenID Connect · SAML 2.0 ·

ENGINEERING	Keycloak · HashiCorp Vault · AWS Secrets Manager · Azure Key Vault · KMS · Certificate lifecycle · Container image scanning · SAST / DAST · Zero Trust concepts
CONFIGURATION MANAGEMENT & AUTOMATION	Ansible · Puppet · Chef · SaltStack · Bash · PowerShell · Python scripting · Packer · Golden images · Cloud-init · GitOps · Argo CD · Flux CD · Kubernetes Operators · Scheduled automation · Runbooks
ADVANCED KUBERNETES & SERVICE MESH	Helm charts · Kustomize · HPA / VPA · Cluster Autoscaler · Karpenter · Kubernetes RBAC · Network Policies · Ingress NGINX · cert-manager · ExternalDNS · CSI storage · Istio · Linkerd · Argo Rollouts · Blue/green and canary deployments
OBSERVABILITY, SRE & INCIDENT OPERATIONS	OpenTelemetry · Grafana Loki · Prometheus Alertmanager · ELK / Elastic Stack · OpenSearch · Fluent Bit · Datadog · New Relic · AWS CloudWatch · Azure Monitor · Google Cloud Monitoring · SLIs / SLOs · Incident response · On-call · RCA / postmortems
DATA PLATFORMS & DATABASE OPERATIONS	Amazon Aurora · RDS Multi-AZ · Azure SQL · Cloud SQL · PostgreSQL replication · MySQL replication · MongoDB replica sets · Redis Sentinel / Cluster · Database backup / restore · Schema migrations · PgBouncer · Kafka Connect · RabbitMQ · Data retention / archiving
STORAGE, BACKUP & BUSINESS CONTINUITY	Amazon S3 · EBS · EFS · Azure Blob Storage · Azure Files · Google Cloud Storage · Snapshots · Cross-region replication · Immutable backups · RPO / RTO · Disaster recovery exercises · Veeam · Object lifecycle policies · Backup encryption
PLATFORM ENGINEERING & DEVELOPER EXPERIENCE	Internal developer platforms · Backstage · Self-service infrastructure · Reusable Terraform modules · Golden-path templates · Artifact repositories · Nexus · JFrog Artifactory · GitHub Actions · GitLab runners · Container registries · Developer environments
FINOPS, GOVERNANCE & CLOUD COMPLIANCE	AWS Cost Explorer · Azure Cost Management · GCP Billing · Resource tagging · Budgets and alerts · Reserved Instances / Savings Plans · Rightsizing · Policy as Code · OPA / Gatekeeper · Azure Policy · AWS Config · Audit logging · SOC 2 controls · HIPAA-aligned infrastructure controls
PERFORMANCE, TRAFFIC & LOAD TESTING	Apache JMeter · k6 · Locust · Gatling · Distributed load testing · Capacity planning · Latency / throughput analysis · Nginx tuning · Autoscaling thresholds · Caching strategy · WebSocket load testing · Chaos testing / LitmusChaos

MICROSOFT CERTIFICATIONS — HISTORICAL

Microsoft Certified: DevOps Engineer Expert (earned Jan 2023; expired Jan 2024)

Microsoft Certified: Azure Administrator Associate (earned Jan 2023; expired Jan 2024)

Microsoft Certified: Azure Developer Associate (earned Jan 2023; expired Jan 2024)

PROFESSIONAL EXPERIENCE

Senior Cloud Architect & DevOps Consultant | AfriDeveloper Pvt. Ltd. | Oct 2023–Present

Cloud administration, DevOps consulting, deployment support, infrastructure operations and production troubleshooting; focus on availability, performance and automation.

Senior DevOps Consultant | Beesolver Technology Pvt. Ltd. | May–Oct 2023

Cloud and infrastructure delivery consulting.

Senior IT Consultant | Afriplatform Pvt. Ltd. | Dec 2020–Mar 2023

Cloud migration POCs, architecture documentation and infrastructure blueprints; led two consultants and two analysts. AWS, Docker, Node.js HA, ECS/Fargate and CI/CD.

Deputy General Manager, Infrastructure | Department of Governance Reforms, Punjab | Mar–Nov 2020

Managed cloud/on-premises deployments for public services collectively serving approximately five million users. Azure, Kubernetes, Terraform, Jenkins/GitLab, SQL Server HA, Prometheus/Grafana and audits.

IT Consultant & Cloud Services Architect | Scramble Apps | Nov 2018–Dec 2019

AWS architecture, Docker/Jenkins, MongoDB HA, DR planning, real-time systems and HIPAA-oriented healthcare infrastructure; reported 30% cost reduction and 10% productivity improvement.

Infrastructure & Cloud Services Architect | Wegile | Jun 2015–Nov 2018

Multi-cloud and on-premises environments, backup/DR, HA application and database clusters, firewall and VPN administration.

Network Administrator | Impinge Solutions | Jun 2013–May 2015

Linux/Windows web servers, firewall, backups, remote support, monitoring and scripting.

Network / System Administrator | Allsoft Solutions and Services | Mar 2010–Mar 2013

VMware ESXi, SVN, IIS/Apache, WSUS, PXE and messaging infrastructure.

Earlier training: Nextgen Venturi Pvt. Ltd. (2009) · SLR Infotech Pvt. Ltd. (2008)