Rimit
Architect/Team-lead Senior DevOps Engineer

SUMMARY

- Over 5 years of experience architecting and deploying scalable cloud-native applications across AWS, Azure, and GCP, managing 50+ AWS projects with 35% cost reduction through resource optimization.
- Expertise in infrastructure automation using Terraform, Ansible, and CI/CD pipelines with Jenkins, GitLab, and GitHub Actions, achieving 60% deployment time reduction.
- Advanced containerization and orchestration skills with Docker, Kubernetes, ECS, and Fargate, delivering 90%+ uptime in microservices architectures.
- Proficient in scripting (Shell, Bash, Python), database management (MySQL, PostgreSQL, MongoDB), and monitoring tools (CloudWatch, CloudTrail) for robust system observability.
- AWS Certified Solution Architect with proven success in designing secure, cost-effective distributed systems and real-time data processing platforms for IoT and telemetry applications.

TECHNICAL SKILLS

Main Technical Skills	AWS (5 yr.), Docker (5 yr.), Kubernetes (5 yr.), Python
Programming Languages	Python
JavaScript Frameworks	Angular, Node.js
Data Analysis and Visualization Technologies	Presto S3 (5 yr.)
Databases & Management Systems / ORM	MongoDB (5 yr.), MySQL (5 yr.), Neo4j (5 yr.), PostgreSQL (5 yr.), QuestDB
Cloud Platforms, Services & Computing	AWS (5 yr.)
Amazon Web Services	Amazon Elastic Load Balancer, AWS CloudFront (5 yr.), AWS CloudTrail (5 yr.), AWS CloudWatch (5 yr.), AWS EC2 (5 yr.), AWS Elastic Kubernetes Service, AWS ELB, AWS Fargate (5 yr.), AWS Lambda (5 yr.), AWS Route 53 (5 yr.), AWS SQS
Azure Cloud Services	Azure IoT Hub (5 yr.), Azure VM (5 yr.)
Google Cloud Platform	GCP Storage (5 yr.)
Web/App Servers, Middleware	Apache HTTP Server (5 yr.), Nginx (5 yr.)
Collaboration, Task & Issue Tracking	Atlassian Confluence (5 yr.)

Deployment, CI/CD & Administration	CI/CD (5 yr.), GitLab CI (5 yr.)
Virtualization, Containers and Orchestration	Docker (5 yr.), Kubernetes (5 yr.), VPC Peering (5 yr.)
QA, Test Automation, Security	Encryption
Methodologies, Paradigms and Patterns	microservices architecture (5 yr.)
iOS Libraries and Tools	SwiftPM (5 yr.)
Mail / Network Protocols / Data transfer	TLS
Other Technical Skills	App Service (5 yr.), EKS/ECS (5 yr.), Manchester II (5 yr.), Optimism (5 yr.), VM (5 yr.), Waterfall Logging and Monitoring (5 yr.)

WORK EXPERIENCE

Cloud Solutions Architect - InheritX Solutions (Scalable IoT Data Processing Platform)

Summary: Designed and implemented a cloud-native IoT data processing and analytics pipeline using AWS services, enabling real-time ingestion, transformation, and secure OTA updates for IoT devices with scalability and low latency.
Responsibilities:

- Designed and implemented AWS IoT Core integration for device connectivity.
- Developed Fargate-based microservices for data processing using CubeJS and QuestDB.
- Utilised RDS for structured data storage and Lambda functions for event-driven processing.
- Configured CloudWatch and CloudTrail for monitoring and security.

Technologies: AWS IoT Core, AWS Fargate, CubeJS, QuestDB, AWS RDS, AWS Lambda, AWS CloudWatch, AWS CloudTrail

Cloud Solutions Architect - InheritX Solutions (Real-Time EV Telemetry Logging System)

Summary: Designed and deployed a real-time telemetry data processing system for electric vehicle two-wheelers using AWS cloud services, ensuring scalable, serverless, and highly available architecture for seamless real-time operations.
Responsibilities:

- Designed containerised microservices hosted on AWS ECS Fargate.
- Integrated SQS queues with Lambda functions for event-driven live data processing.
- Managed telemetry data storage in MongoDB.
- Built control panel for EV OEMs to monitor telemetry data.

Technologies: AWS ECS Fargate, AWS SQS, AWS Lambda, MongoDB

Cloud Architect - InheritX Solutions (T2D2 Enterprise Application)

Summary: Configured and deployed a distributed enterprise application with frontend and backend components across AWS EC2 instances, leveraging container orchestration and CI/

CD pipelines to achieve high availability and optimized performance.
Responsibilities:

- Configured frontend with Angular and backend with Node.js on AWS EC2 instances.
- Deployed CloudFront for global content distribution.
- Implemented CI/CD pipeline using GitLab AutoDevOps and AWS EKS for container orchestration.
- Configured S3 for data storage and Lambda for event-driven processing.

Technologies: Angular, Node.js, AWS EC2, AWS CloudFront, GitLab AutoDevOps, AWS EKS, AWS S3, AWS Lambda

Cloud Architect - InheritX Solutions (All-22 Project)

Summary: Developed a secure and scalable web infrastructure using AWS services, including static website hosting, backend server deployment, and SSL certificate management to ensure encrypted traffic and seamless domain management.
Responsibilities:

- Configured frontend hosting using AWS S3 bucket with CloudFront CDN and custom domain via AWS Certificate Manager.
- Deployed backend on AWS EC2 with Ubuntu AMI and Node.js server managed by Nginx reverse proxy.
- Implemented Let's Encrypt free SSL with auto-renewal for subdomain APIs.
- Ensured HTTPS encryption and seamless domain and subdomain management.

Technologies: AWS S3, AWS CloudFront, AWS Certificate Manager, AWS EC2, Ubuntu AMI, Node.js, Nginx, Let's Encrypt SSL

Cloud Architect - InheritX Solutions (CC-Log Crisis Communication)

Summary: Established a robust and secure cloud infrastructure for critical communication systems with high availability, leveraging AWS services for content delivery, backend deployment, and security optimization.
Responsibilities:

- Configured frontend hosting using AWS S3 bucket with CloudFront CDN, custom domain, and AWS Certificate Manager.
- Deployed backend on AWS EC2 with Ubuntu AMI and Node.js server managed by Nginx reverse proxy.
- Implemented comprehensive security measures and optimized content delivery.

Technologies: AWS S3, AWS CloudFront, AWS Certificate Manager, AWS EC2, Ubuntu AMI, Node.js, Nginx

Cloud Solutions Architect - InheritX Solutions (Enterprise-level Cloud Architecture Initiatives)

Summary: Led enterprise-level cloud architecture initiatives focusing on Infrastructure as Code, microservices architecture, and cost optimisation to enhance system reliability and reduce operational expenses.
Responsibilities:

- Implemented Infrastructure as Code using Terraform and Ansible.
- Designed robust microservices architectures achieving high uptime.
- Implemented cost optimisation strategies through resource utilisation optimisation.

Technologies: Terraform, Ansible, Microservices architecture

Senior Cloud Engineer - InheritX Solutions (CI/CD Pipeline and Containerisation Implementation)

Summary: Collaborated on implementing fully automated CI/CD pipelines and advanced containerisation strategies to improve deployment frequency and system reliability.

Responsibilities:

- Implemented CI/CD pipelines using Jenkins, GitLab AutoDevOps, and GitHub Actions.
- Developed containerisation strategies using Docker and Kubernetes.
- Created and maintained technical documentation including cost estimations, architecture diagrams, and deployment procedures.

Technologies: Jenkins, GitLab AutoDevOps, GitHub Actions, Docker, Kubernetes

CERTIFICATION

- **AWS Certified Cloud Practitioner**
- **AWS Certified Solution Architect - Associate**
  Validated expertise in designing distributed systems on AWS with focus on security, reliability, and cost optimisation.