

KISLAYA SRIVASTAVA

Cloud Solutions Architect | AWS Certified | 15+ Years Enterprise IT

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LinkedIn: linkedin.com/in/kislaya-srivastava | GitHub: github.com/KislayaSrivastava | Portfolio: www.kislaya.org

PROFESSIONAL SUMMARY

AWS Certified Solutions Architect with 15+ years of experience designing and implementing scalable cloud infrastructure and leading enterprise application modernization. Proven expertise in cloud migration, infrastructure-as-code, and DevOps practices. Successfully migrated legacy on-premises applications to AWS cloud serving 50+ enterprise customers with zero downtime. Strong technical leadership combined with excellent stakeholder communication skills. Available immediately and open to opportunities across India and abroad.

TECHNICAL SKILLS

Cloud: AWS (EC2, Lambda, S3, RDS, DynamoDB, CloudFormation, VPC, Route53, ALB, API Gateway, CloudWatch, IAM, Bedrock) | Infrastructure-as-Code: Terraform, CloudFormation, CDK | DevOps: CodePipeline, CodeBuild, CodeDeploy, GitHub Actions, Jenkins | Containers: Docker, Kubernetes, ECS | Languages: Python, Bash, SQL | Databases: RDS (PostgreSQL, MySQL), DynamoDB, Oracle, Redshift | Data: Glue, Athena, Kinesis, QuickSight | Monitoring: CloudWatch, X-Ray, CloudTrail | Security: IAM, KMS, WAF, Security Groups | Methodologies: Agile/Scrum, Kanban

PROFESSIONAL EXPERIENCE

Professional Development & Consulting | Jul 2025 - Present

Independent Cloud Solutions Architect

- Building production-grade AWS architectures on GitHub: multi-tier applications, serverless microservices, and event-driven systems
- Consulting for startups on AWS migration strategy and cost optimization; preparing for AWS Solutions Architect Professional (exam Dec 2025)
- Contributing technical articles on LinkedIn covering cloud architecture patterns and best practices (5+ published)

Epicor Software Corporation, Bengaluru | Sep 2015 - Jul 2025

Senior Product Developer → Cloud Solutions Architect (role evolved 2022-2025)

Cloud Migration & Architecture (2022-2025)

- Led end-to-end AWS cloud migration of enterprise ERP application serving 50+ customers, designing secure 3-tier architecture with 99.95% uptime SLA
- Architected fault-tolerant infrastructure using Route53, ALB, EC2 Auto Scaling Groups, RDS Multi-AZ, and DynamoDB for globally distributed customers
- Reduced infrastructure deployment time from 4 hours to 20 minutes (95% improvement) by implementing IaC using Terraform and CloudFormation
- Achieved 40% AWS cost reduction (\$15K/month savings) through reserved instances, right-sizing, and S3 lifecycle policies
- Designed and implemented disaster recovery strategy using AWS Backup and cross-region replication, achieving RPO of 1 hour and RTO of 4 hours
- Migrated legacy applications using AWS Application Migration Service (MGN) and Application Discovery Service with zero data loss

DevOps & Automation

- Built CI/CD pipeline using AWS CodePipeline, CodeBuild, and CodeDeploy, reducing deployment failures by 80% and release cycle time by 60%
- Developed Python-based automation scripts for file consolidation and patch deployment, eliminating 95% of manual errors
- Implemented infrastructure monitoring using CloudWatch dashboards, custom metrics, and automated alerting, reducing MTTR by 50%
- Created Lambda-based serverless automation for log processing, automated backups, and cost anomaly detection

AI/ML & Innovation

- Led GenAI proof-of-concept using Amazon Bedrock and Amazon Q, implementing intelligent chatbot for first-time user onboarding and product Q&A
- Reduced customer support tickets by 20% through development of self-service web portal with real-time order tracking using API Gateway, Lambda, and DynamoDB

- Collaborated with product management on competitive analysis, identifying 5 strategic features that were incorporated into product roadmap

Technical Leadership

- Owned architecture and deployment for 2 interfacing products across 6 consecutive quarterly releases with zero post-launch incidents
- Delivered 15 major feature enhancements across Estimation, Shipping, and Invoicing modules improving performance by average 35%
- Mentored team of 4 developers on AWS best practices, infrastructure-as-code, and DevOps methodologies

Cognizant Technology Solutions, Pune | May 2013 - Jul 2015

Technical Lead - Anti-Money Laundering Solutions

- Led team of 4 engineers optimizing customer screening solution deployed across 8 business units in multiple geographic regions
- Owned report generation module through 10 successful production releases with zero post-deployment issues
- Improved application performance by 40% through database query optimization and caching strategies
- Collaborated with business stakeholders across North America, Europe, and APAC regions to gather requirements and deliver solutions

IBM India Pvt. Limited, Pune | Mar 2010 - May 2013

Application Developer → Technical Lead

- Assumed technical leadership during team restructuring, reducing JIRA backlog from 200+ to <20 tickets through process optimization and knowledge base creation
- Implemented cost-saving measures reducing operational expenses by 25% while maintaining SLA commitments
- Served as off-site SME for 90-day UK warehouse rehosting project, providing 24/7 remote support and executing migrations with zero downtime

KEY CLOUD PROJECTS (GitHub Portfolio)

1. Multi-Tier Hospital Web Application with Auto-Scaling (AWS)

- Architected production-ready 3-tier application using Terraform: VPC, ALB, Auto Scaling Groups, RDS Multi-AZ, ElastiCache
- Implemented CI/CD pipeline with GitHub Actions, automated testing, and blue-green deployment
- Configured CloudWatch monitoring with custom dashboards and SNS alerting
- Tech Stack: Terraform, Python/Flask, RDS PostgreSQL, Redis | GitHub: github.com/KislayaSrivastava/multi-tier-hospital-aws-app

2. Event-Driven Order Processing System

- Architected production grade event-driven microservices using AWS Lambda, EventBridge, SQS, SNS and DynamoDB. Implemented order workflow with async inventory processing and automated email notifications via SES.
- Created 100% IaC using Terraform (~45 AWS resources, 2500+ lines of code)
- Achieved < 200ms API response time and 99.99% availability through serverless architecture. Demonstrated 95% cost optimization | GitHub: github.com/KislayaSrivastava/event-driven-order-system

3. Automated AWS Infrastructure Deployment Pipeline

- Built complete CI/CD pipeline for infrastructure deployment using GitHub Actions and Terraform Cloud
- Implemented automated security scanning with Checkov and cost estimation with Infracost
- Created reusable Terraform modules for VPC, compute, database, and monitoring
- Achieved 100% IaC coverage with zero manual AWS console changes | GitHub: github.com/KislayaSrivastava/infrastructure-pipeline

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | AWS Serverless Badge | AWS Migration Foundations Badge | Certified Scrum Master (Scrum Alliance) | Workato Automation Pro 1, 2, 3

EDUCATION

Bachelor of Technology (B.Tech.) in Electronics and Communication Engineering