

# PUSHPAK PATIL



• +91-8655850932

• Thane, Maharashtra, India

• linkedin.com/in/pushpakpatil

• pushpakpatil6969@gmail.com

## PROFESSIONAL SUMMARY

A dynamic and results-driven **Cloud Solution Architect** with **4+ years** of progressive experience in designing, implementing, and optimizing large-scale, multi-cloud infrastructure solutions for multinational corporations. Proven expertise in **AWS architecture, security, and cost management**, complemented by practical experience in **Microsoft Azure** cross-cloud migration and governance. Adept at leading cross-functional teams, driving significant cost savings (up to 60%), and achieving 100% compliance scores across critical financial and insurance sector projects. Seeking to leverage advanced cloud architecture and security skills to deliver high-impact solutions in a challenging environment.

## CORE COMPETENCIES & TECHNICAL SKILLS

Category	Key Skills
Cloud Platforms	<b>AWS (4+ Years):</b> EC2, EKS, ECS, Lambda, S3, RDS, DynamoDB, Control Tower, Organizations, Security Hub, GuardDuty, Config. <b>Microsoft Azure:</b> Azure VMs, Azure Networking, Azure AD, Azure DevOps, Cross-Cloud Migration (Azure to AWS).
Architecture & Security	High-Availability (HA) & Disaster Recovery (DR), Multi-AZ/Multi-Region Design, Cloud Security Posture Management (CSPM), IAM, WAF & Shield, PCI DSS, CIS Benchmarks, ISO 27001, Security Audits & Compliance Reviews.
Infrastructure as Code (IaC)	<b>Terraform</b> , AWS CloudFormation, Python, Shell Scripting, Lambda State Machines, Step Functions, Policy-as-Code.
DevOps & CI/CD	Jenkins, GitHub Actions, GitLab CI, Automated Deployment Pipelines, Blue/Green & Canary Deployments, Infrastructure Testing.
AIOps & Automation	ML-based Anomaly Detection, AI-powered Incident Response, Automated Runbook Creation (LLMs), Predictive Scaling, Self-Healing Infrastructure, Real-time RCA.
Networking	VPC Design, Transit Gateway, Direct Connect, Hybrid Connectivity (VPN/MPLS), Security Groups, NACLs, Route 53, Load Balancers, Palo Alto Firewalls.
Databases & Migration	RDS (MySQL, PostgreSQL, Oracle), DMS, Database Replication & Optimization, Cross-Cloud Migration.

# PROFESSIONAL EXPERIENCE

## Cloud Solution Architect

Applied Cloud Computing | Thane, India *March 2025 – Present*

- **Architected and led** the implementation of scalable, high-availability, and disaster recovery solutions, guaranteeing business continuity and enhancing system reliability for multinational clients.
- **Optimized cloud resource utilization** across client portfolios, employing advanced cost-management strategies that resulted in significant savings on cloud expenditure.
- **Collaborated** with cross-functional teams and OEMs to define complex cloud architecture requirements, ensuring strict alignment with business objectives and technology standards.
- **Fostered a culture of continuous improvement** by regularly reviewing cloud architectures and processes to identify and implement areas for enhancement.

## Senior Cloud Engineer

Applied Cloud Computing | Mumbai, India *March 2022 – February 2025*

- **Spearheaded** the design and implementation of secure, scalable, and cost-efficient **AWS Landing Zones** using Control Tower for major projects (SBGIC, Zuno, HDBFS).
- **Conducted** comprehensive Security Audits and Compliance Reviews to meet stringent regulatory and internal standards (e.g., PCI DSS, CIS).
- **Drove cost-saving initiatives** across clients, achieving a documented expense reduction of **20-30%** through resource rightsizing and optimized billing.
- **Provided 24x7 support** and collaborated with teams to troubleshoot complex infra-level issues, including cloud incident resolution for IBDIC and Bandhan Bank projects.
- **Mentored** new joiners and conducted internal AWS training sessions to upskill junior cloud engineers.

# KEY PROJECTS & ACHIEVEMENTS

## Cloud Solution Architect Projects (Focus on Architecture, Migration, and AIOps)

Project	Summary & Key Achievements
Bandhan Bank	AIOps, Security Automation & Intelligent Operations

Project	Summary & Key Achievements
	Implemented an AIOps platform with <b>ML-based anomaly detection</b> and AI-powered root cause analysis. Built intelligent incident response with auto-remediation using AI agents and Lambda workflows. <b>Achievement:</b> Reduced incident response time from hours to <b>minutes</b> , achieved <b>100% audit readiness</b> , and secured <b>zero critical findings</b> in external security audits.
ATLAS	<b>AI-Powered Automated DR Orchestration</b>
	Designed a fully automated Disaster Recovery solution with AI-driven health monitoring and intelligent failover/fallback using Lambda State Machines. <b>Achievement:</b> Achieved <b>zero-touch failover</b> with an RTO under <b>10 minutes</b> , and reduced DR testing time from 8 hours to <b>30 minutes</b> .
RBL Bank	<b>Cross-Cloud Migration (Azure to AWS)</b>
	Led the migration of GitHub Enterprise Server from <b>Azure</b> to AWS, including version upgrade and designing optimal AWS infrastructure. <b>Achievement:</b> Zero data loss migration, <b>45% performance improvement</b> , and <b>30% cost reduction</b> compared to the previous Azure environment.
APAC	<b>Multi-Region DR &amp; Database Migration</b>
	Architected cross-region DR with automated replication and migrated Oracle/MySQL to RDS Multi-AZ. <b>Achievement:</b> Achieved RTO of <b>15 min</b> and RPO of <b>5 min</b> , with a <b>100% DR drill success rate</b> and <b>60% reduction</b> in DB administration overhead.
TMF	<b>EKS Performance Optimization &amp; Troubleshooting</b>
	Diagnosed and resolved critical memory leaks through container profiling and fixed API throttling. Implemented HPA/VPA with optimized resource limits. <b>Achievement:</b> <b>98% reduction</b> in OOMKilled restarts, deployment success rate improved from 60% to <b>99.5%</b> , and cluster uptime of <b>99.95%</b> .

## Senior Cloud Engineer Projects (Focus on Implementation, Compliance, and Cost Optimization)

Project	Summary & Key Achievements
SBIGIC	<b>Enterprise Cloud Migration &amp; Network Design</b>
	Led end-to-end AWS migration for insurance workloads. Designed multi-AZ VPC with Direct Connect/VPN hybrid connectivity and implemented layered security. <b>Achievement:</b> <b>100+ servers migrated</b> with <b>99.95% uptime</b> , production stability achieved in 2 weeks, and MTTR reduced by <b>35%</b> .

Project	Summary & Key Achievements
HDBFS	<b>Compliance Automation &amp; Cost Optimization</b> <p>Built automated compliance monitoring using Config Rules and Security Hub for <b>PCI DSS/CIS alignment</b>. Implemented a cost optimization framework using Lambda/Step Functions for resource scheduling and rightsizing. <b>Achievement:</b> Achieved <b>100% compliance score, 60% cost reduction</b>, and automated weekly compliance reporting, saving <b>95% manual effort</b>.</p>
Edelwise	<b>Microservices Migration &amp; Network Modernization</b> <p>Rearchitected legacy monolithic applications to cloud-native microservices on EKS/Fargate. Built hybrid connectivity with Transit Gateway and automated deployments via CI/CD pipelines. <b>Achievement:</b> Migrated <b>50+ applications</b>, reduced costs by <b>35%</b>, and improved deployment frequency from monthly to <b>daily</b>.</p>

## CERTIFICATIONS & EDUCATION

### Certifications

- **AWS Certified Solutions Architect – Associate**
- **AWS Certified Security – Specialty**

### Education

- **Masters in Organic Chemistry** - Mumbai University, Mumbai (2019-2023)
- **Bachelors in Mathematics & Computer Science** - Mumbai University, Mumbai (2018-2019)

## AWARDS & RECOGNITION

- Awarded internal recognition for **Cross-Team Collaboration** and **Excellence in Cloud Cost Management**.
- Recipient of the **Rooky Award** and **Persistence Award** by Applied Cloud Computing (ACC).
- Conducted internal AWS training sessions to upskill junior cloud engineers.
- Played a lead role in Disaster Recovery (DR) drills and restoration testing across client accounts.
- Created 18 Automations for smooth process & time saving.