

SATYAJIT SOMNATHRAO LEMBHE

DevSecOps | Platform & Cloud Engineering | AWS Infrastructure Manager
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PROFESSIONAL SUMMARY

DevOps and platform engineer with 15+ years of enterprise IT experience across tier-1 banking and Singapore Government healthcare, delivering in complex, high-availability, regulated environments. Embeds security into delivery pipelines end to end — SAST, DAST and quality gates enforced before every production release — and owns the surrounding platform: Terraform-driven infrastructure as code, GitLab CI/CD and Jenkins pipeline standards, Kubernetes and Docker workloads, and layered AWS network security. Sole infrastructure owner for 13 environments on a national healthcare platform, accountable for availability, patching, compliance and incident response across a hybrid on-prem and AWS estate. Known for leading high-visibility production events across multiple teams with zero defects, and for turning manual operational toil into automated, repeatable standards other teams adopt.

CORE COMPETENCIES

Secure SDLC & DevSecOps	SonarQube (SAST), Fortify (DAST), OWASP ZAP, security quality gates in pipeline, AWS WAF, patch & vulnerability remediation cycles
CI/CD & Automation	GitLab CI/CD, Jenkins, GitLab SCM, pipeline standardisation, Shell scripting, Python, PowerShell
Infrastructure as Code	Terraform (HashiCorp Certified), CloudFormation
Cloud & Platform	AWS (EC2, VPC, EKS, ECS, Lambda, API Gateway, S3, CloudFront, Route53, ACM, DynamoDB, IAM), Docker, hybrid on-prem + cloud estate
Security & Network	IAM, encryption in transit (ACM/TLS), NACLs, security groups, public/private subnet segregation, IGW/NAT, private VPC endpoints, AWS WAF, OWASP practices
Observability & Ops	ELK Stack (Elasticsearch, Logstash, Filebeat, Kibana), CloudWatch, Dynatrace, Splunk, incident & change management, ServiceNow
Middleware & Data	Tomcat, IBM MQ, Kafka, Oracle, MSSQL, DynamoDB
OS & Collaboration	RHEL 7 / Linux administration, Windows Server, Jira, Confluence
AI for Engineering	Generative AI, agentic & multi-agent systems,RAG pipelines, AWS Bedrock

CERTIFICATIONS & RECOGNITION

- AWS Certified Solutions Architect – Associate (Apr 2023)
- AWS Certified Developer – Associate (Nov 2022)
- AWS Certified Data Engineer – Associate (Apr 2025)
- HashiCorp Certified: Terraform Associate
- AWS Community Builder — Networking category (selected Mar 2026)
- NUS — Generative AI: Fundamentals to Advanced Techniques, final score 200/200; capstone in agentic AI and multi-agent systems

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer / Infrastructure Manager	25 Aug 2023 – Present
National healthcare platform, Singapore Government (end client: NCS) — continuous engagement	
PERSOL Tech Services Pte Ltd, Singapore	25 Aug 2026 – Present
PERSOL Singapore Pte Ltd, Singapore	25 Aug 2023 – 24 Aug 2026

Internal transfer within the PERSOL group. No break in service. Role, scope, project and end client unchanged.
13 environments (11 non-prod, 2 prod) • 50+ servers • hybrid on-prem + AWS

Security & Compliance Engineering

- Secure delivery pipelines:** Built and maintained GitLab CI/CD and Jenkins pipelines integrating SonarQube (SAST), Fortify (DAST) and OWASP ZAP scanning, enforcing code-quality and security gates before every production deployment.
- Network security architecture:** Designed layered controls using NACLs, security groups, public/private subnet separation, IGW/NAT and private VPC endpoints for AWS services — meeting compliance obligations of a regulated national healthcare environment.
- Vulnerability & patch operations:** Led monthly patching cycles and OS upgrades across all 13 environments, achieving zero unplanned outages during change windows.
- Access governance:** Own the bi-annual user access review across platform components, evidencing entitlement and privilege controls for audit.

Platform & Automation Engineering

- **Infrastructure as Code:** Architected end-to-end Terraform workflows provisioning VPCs, subnets, security groups, NAT Gateways, VPC endpoints, WAF and EC2 across all environments — eliminating manual provisioning error.
- **Automation & toil reduction:** Authored Shell automation for patching, start/stop scheduling, environment health checks and deployment pre/post validation.
- **Observability:** Deployed the ELK Stack (Elasticsearch, Logstash, Filebeat, Kibana) for centralised log management and proactive incident detection across every environment.
- **Environment management:** Sole owner of 11 non-prod and 2 prod environments; managed vertical and horizontal scaling and authored scaling runbooks adopted by the wider operations team.
- **Engineering governance:** Ran sprint planning, defect tracking and release coordination in Jira; maintained Confluence runbooks, architecture diagrams and operational SOPs as the team standard.

Selected Achievements

- Commanded a full production tech-refresh live event end to end, coordinating six cross-functional teams — zero production defects, zero rollbacks.
- Delivered a critical production service independently within four months with zero post-go-live P1 incidents.
- Cut infrastructure spend by SGD 4,000/month through right-sizing, automated start/stop scheduling and decommissioning of redundant resources.
- Received formal client recognition for measurably improving stability and security posture across all 13 environments.

Senior Associate — Infrastructure & DevOps | Cognizant Technology Solutions, Singapore

Aug 2014 – Aug 2023

Tier-1 banking clients • multi-region APAC / EMEA / AMS • 25 environments • 9 years in financial services

- **Regulated, high-availability delivery:** Managed 25 environments across three regions supporting tier-1 banking workloads to 99.9%+ availability SLAs.
- **IaC & automation at scale:** Developed Terraform modules and Shell/Python automation adopted across multiple project teams, cutting provisioning time from days to under two hours.
- **CI/CD pipelines:** Built and maintained Jenkins pipelines with GitLab SCM, automating build, test and deployment for 10+ microservices.
- **Incident, change & patching:** Owned incident, change and patching operations; defined runbooks and SOPs that reduced mean time to resolution by 30%.
- **Middleware & Linux operations:** Led WebLogic, WebSphere, JBoss and IBM MQ cluster operations on RHEL 7, covering deployments, configuration management and incident resolution.
- **Capacity management:** Drove vertical and horizontal scaling strategy, ensuring zero performance SLA breaches through peak business cycles.

Selected Achievements

- Zero production defects across four consecutive years — adopted as the delivery benchmark within the account.
- Sustained a top-8-of-10 performance rating over 11 years, the highest in the infrastructure team.
- Difference Maker Award three times (Q1 2017, Q3 2019, Q3 2020) and Star Team Award (Q3 2019).
- Defined infrastructure implementation patterns with zero performance regressions across 5+ years of adoption.

Programmer Analyst | Cognizant Technology Solutions, India

Jul 2011 – Aug 2014

Second period with the India entity: Jan 2016 – May 2016.

- Developed, tested and maintained enterprise applications with end-to-end ownership from requirements through production release.
- Wrote Shell scripts and PL/SQL stored procedures for data processing and operational automation.

SELECTED HANDS-ON PROJECTS

- **TechSprout — daily DevOps/cloud lesson platform:** Live serverless AWS platform (Lambda, API Gateway, DynamoDB, S3, CloudFront) publishing a daily technical lesson generated via Amazon Bedrock. Built with role-based access, authenticated sessions, account lockout on repeated failed logins, and full-text search across live and archived lessons.
- **3-Tier Architecture with Terraform:** Full web/app/database tier infrastructure — VPC, EC2, RDS, ALB, security groups — provisioned end to end in a single Terraform run.
- **WordSprout — AI-powered learning platform:** Full-stack serverless application on Lambda, API Gateway, DynamoDB, S3 and CloudFront, with a generative-AI backend on AWS Bedrock driving adaptive content.
- **Serverless training game:** Python Lambda, DynamoDB, API Gateway, S3 and CloudWatch, fully provisioned via Terraform.
- **Containerised app on EC2 + ALB:** Docker workload behind an Application Load Balancer with ACM TLS termination and Route53 domain routing.

EDUCATION

Bachelor of Technology, Computer Science & Engineering

Walchand College of Engineering, Sangli (Shivaji University), 2011

Nationality: Indian • Visa: Employment Pass (Singapore) • Languages: English, Hindi, Marathi