

LEMBHE SATYAJIT SOMNATHRAO

Senior DevOps Engineer – Infra Manager/AWS/DevOps/GITLAB/Terraform

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AWS skillsets Portfolio - <https://satyajitlembhe.com/>

A Goal-driven individual with a positive attitude and relentless determination, highly ambitious multitasker; skilled in professional communication, able to meet or surpass monthly targets, and proficient in managing multiple tasks efficiently.

KEY SKILLS

- Unix Shell/ PL-SQL/ Python Development
- Infra Manager
- CI-CD Pipeline (Groovy/PowerShell)
- AWS Certified Developer/ Solution Architecture / Data Engineer
- Terraform / GITLAB
- Strong experience in **BFS and Healthcare**
- GIT Branching strategy
- Infrastructure Upgrade
- Dynatrace/Splunk/ELK
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PROFILE SUMMARY

- **An agile professional with over 14 years of experience** in providing strategic leadership, guiding teams through the entire software delivery lifecycle, Managed end-to-end IT infrastructure deployment projects, including expansions, upgrades, and decommissions.
- **Selected as AWS Community Builder (Networking Category)** recognizing expertise and community contributions in AWS networking.
- **14 years of strong experience** in developing Shell/Powershell/Python and Database (Oracle) stored procedures, CI-CD , monitoring tools and programming languages like Python .
- Strong hands-on experience in **AWS Infrastructure, Terraform (IaC), and GitLab CI/CD** for automated cloud deployments.
- **3x AWS Certified** having strong Hands-on experience in AWS.
- **Strong communication skills** – Ability to handle difficult clients , comprehensive emails , maintaining strong bond with clients, adhering to the audit standards and make sure max availability of infra.
- **Migration from On-Prem to AWS** – Migrating on-premise application to AWS with focus on high availability architecture and cost optimization strategies.

EMPLOYMENT OUTLINE

Aug 2023 till now: Persol Apac Singapore, as Senior DevOps Engineer/ Infrastructure Manager

Key Deliverables:

- Working as Infrastructure manager who is responsible for managing 11 NON PROD and 2 PROD instances (50 + Servers).
- Designed, deployed and operated **complex cloud applications on Cloud (IaaS)**
- Developed fully automated **Terraform** workflows to provision and manage multiple resources across different environments.
- Led Monthly maintenance activities , apply security patches and OS updates. Vertical and horizontal scaling of servers.
- Proficient in **Linux Shell, PowerShell, Terraform, Cloudformation**, and database stored procedure development.
- Expertise in Jenkins for building Binaries and deploying applications, with extensive experience using GIT in **GitLab**.
- Implemented CI/CD pipelines on Jenkins with code quality checks using SonarQube (**SAST**) and fortify (**DAST**).
- Set up ELK Stack infrastructure, enabling more effective log management and insights for the project.
- Strong communication skills with the ability to manage challenging clients in a fast-paced Agile environment.
- VPC, Subnets, Route Tables, **NACL, Security Groups, Internet Gateway (IGW), NAT Gateway, VPC Endpoints, Elastic IP, AWS WAF**, Traffic routing and secure network architecture design.
- Leading a national-level healthcare project, Addressed technical and security concerns, ensuring compliance with industry standards.

Key Achievements:

- Successfully led a DevOps project independently, delivering a critical service within the first four months.
- Served as **Commander for PROD live application tech refresh**, coordinating cross-functional teams and ensuring **issue-free production rollout**
- Received client appreciation for enhancing stability and security across all Environments .
- Reduced infrastructure costs by 4,000 SGD per month through server automation and following best practices of cloud

Aug 2014 – Aug 2023: Cognizant Technology Solutions, Singapore, as Senior Associate

Key Deliverables:

- Working as Infrastructure manager who is responsible for managing 25 instances in 3 different regions (APAC , EMEA and AMS)
- Proficient in Linux shell scripting, database stored procedure development, and Python programming.
- Developed Terraform workflows to provision and manage multiple resources across different environments.
- Expertise in Jenkins for building Binaries and deploying applications, with extensive experience using GIT in **GitLab**.
- Overseeing a wide range of activities, including server procurement, capacity management, application deployment, CI/CD pipeline management, **vertical scaling** strategies by upgrading server resources (CPU, RAM, storage) to enhance performance and capacity.
- Optimized infrastructure by leveraging **horizontal scaling**, distributing workloads across multiple servers for improved redundancy and fault tolerance.

Key Achievements:

- Achieved zero defect deliveries in production for four consecutive years.
- Earned an 8 out of 10 top rating over 11 years of my career.

- Received the Difference Maker Award for Q1 2017, Q3 2019, and Q3 2020.
- Defined the implementation pattern as an architect, ensuring no negative impact on performance or system stability.

Jul 2011 – Aug 2014: Cognizant Technology Solutions, India, as Programmer Analyst

Key Deliverables:

- Entrusted with the overall accountability of outlining, preparing, testing, reviewing, and maintaining the new software applications in meeting the business requirements.
- Held responsible for writing, coding, testing, and analyzing software programs and applications.
- Formulated the applications from both a technical/programming perspective and a business point of view.

PROFESSIONAL ACCOLADES

- Accredited with the Star Team award for the Quarter Q3 2019. Received the Difference Maker Award for Q1 2017, Q3 2019 & Q3 2020.

EDUCATION CREDENTIALS

- **Bachelor of Technology – Computer Science & Engineering**, from Walchand College of Engineering, Sangli / Shivaji University in 2011.

TRAININGS / CERTIFICATIONS:

- AWS Certified Developer Associate in Nov 2022
- AWS Certified Solutions Architect – Associate in Apr 2023
- AWS Certified Data Engineer Associate in Apr 2025

TECHNICAL PURVIEW

- **Programming Languages:** Shell Script, Perl, PL/SQL, XML, Python
- **Hardware/Platform:** Linux (RHEL 6, RHEL 7), Windows, and Solaris
- **Tools:** DevOps tools like Jenkins, Docker, Sonarqube, GitBash, Control M, IRMA, Autosys, JIRA, SNOW, Crontab,SPLUNK ,Elasticsearch,Logstash,filebeat and Kibana
- **Databases:** MSSQL, Oracle, DynamoDB
- **Markup Languages:** XML, HTML, XSLT, and CSS , JavaScript, NodeJs
- **Certifications:** AWS Certified Developer Associate, AWS Certified Solutions Architect – Associate , AWS Certified Data Engineer Associate , Hashicorp Certified Terraform Associate Hands on Lab
- **Cloud services:** S3, CloudFront, ACM, Route53, API Gateway, Lambda, SES, IAM, Jenkins, GIT, Docker, ECS, CloudFormation, CloudWatch, Terraform, Amazon Q.

PERSONAL DOSSIER

Date of Birth: 07 Sept 1989 | **Nationality:** Indian | **Languages Known:** English, Hindi, and Marathi | **Visa:** Employment Pass

HANDS-ON PROJECTS BEYOND WORK SCOPE

| Sr. No. | Project Title | Services used | Project Description |
|---------|--|---|---|
| 1 | Personal Resume Website - https://satyajitlembhe.com/ | S3, CloudFront, ACM, Route53, API Gateway, Lambda, SES, IAM | - Static website Developed in JS hosted on S3. - Bought a domain on Route53, SSL certificate on ACM. - Linked CloudFront domain name and S3 Endpoint. - Wrote lambda function to send email through SES, and created Suitable roles in IAM. |
| 2 | Full Stack Application using Docker ALB EC2 | Docker/EC2/Route53/ Load Balancer | - Deployed a full-stack application on AWS EC2 using Docker - Configured ALB with ACM HTTPS and Route 53 custom domain - https://github.com/Satyajit0709/abacus-game-aws/blob/master/docs/Docker-EC2-Deployment.md |
| 3 | Games for Kids | Amazon Q , S3 , Dynamo DB Table | Created a visually engaging Rock-Paper-Scissors game using Amazon Q and JavaScript, integrated with my portfolio and leveraging DynamoDB for hit-based visit tracking, enhancing user engagement and site traffic. https://satyajitlembhe.com/rock_paper_scissors.html |
| 4 | ABACUS TRAINING GAME https://satyajitlembhe.com/abacus.html | Lambda , Dynamo DB , S3, API Gateway , Cloudwatch , IAM | Created Lambda functions in Python for user management. Implemented DynamoDB tables for user profiles. Set up API Gateway with CORS for seamless frontend-backend communication. Used Terraform for Infrastructure as Code deployment and CloudWatch for monitoring. |
| 5 | 3-Tier Architecture with AWS an Terraform | Terraform and various Services in AWS | Deployed a complete 3-tier web application infrastructure using Terraform. Used various services and terraform to deploy 3 tier application with few commands . https://www.youtube.com/watch?v=OdJm4ztemil |