

# Vishnu Rachapudi

CLOUD & AI ENGINEER • 14X AWS CERTIFIED • AWS COMMUNITY BUILDER (SECURITY)

Andhra Pradesh, India • rachapudivishnu9@gmail.com • +91 86881 08092

[vishnurachapudi.com](https://vishnurachapudi.com) • [LinkedIn](#) • [GitHub](#) • [Credly](#) • [AWS Builder Center](#) • [Dev.to](#)

## SUMMARY

Cloud & AI Engineer with 5 years of experience architecting, securing, and modernizing production AWS workloads. Holder of all 14 AWS certifications and an AWS Golden Jacket — 9th in India. Day-to-day work spans cloud security, FinOps, disaster recovery, and Generative AI / agentic systems built on Amazon Bedrock, AgentCore, and Strands. Author of two published Kiro Powers (AWS Security Analyzer, AWS Resilience Hub). AWS Community Builder in the Security category, Chapter Lead for Golden Jackets India, author of 60+ technical articles, and speaker at 18+ conferences across 2 countries including AWS Summit Bengaluru and GITEX Global.

## CORE SKILLS

**AWS — Compute & Containers:** EC2, Lambda, ECS, EKS, Fargate, App Runner, Auto Scaling, Systems Manager

**AWS — Security & Identity:** IAM, IAM Identity Center, KMS, GuardDuty, Security Hub, Inspector, Access Analyzer, CloudTrail, WAF, AWS Security Agent

**AWS — Data & Storage:** S3, S3 Access Grants, EBS, RDS, DynamoDB, Glue, Transfer Family, Backup

**Generative & Agentic AI:** Amazon Bedrock, Bedrock AgentCore, Strands Agents, Amazon Q, Amazon Nova / Nova Act, Kiro, MCP servers, Amazon Quick Suite, AWS Transform

**DevOps & IaC:** Terraform, CloudFormation, GitHub Actions, Docker, Kubernetes, Velero, Git, Linux

**Observability & FinOps:** CloudWatch, CloudWatch AI Operations, Cost Explorer, Compute Optimizer, AWS FinOps Agent, Pricing Calculator, Well-Architected Framework

## PROFESSIONAL EXPERIENCE

### Cloud & AI Engineer | SUDO Consultants (AWS Premier Tier Services Partner)

Aug 2025 – Present

- Led an emergency cross-region disaster recovery effort during an AWS regional degradation, recovering 21 EBS snapshots (~7–10 TB) using block-level EBS Direct API downloads via ColdSnap after CreateVolume, cross-region snapshot copy, cross-region AMI copy, and VM Export all failed and AWS Support confirmed no native path existed.
- Unblocked a stalled VM Export where source volumes were encrypted with an AWS-managed KMS key — downloaded snapshots as unencrypted raw images, re-encrypted them under a customer-managed key, and completed on-prem image delivery.
- Built secure browser-based file exchange for a customer with AWS Transfer Family Web Apps, integrating S3 Access Grants and IAM Identity Center for least-privilege, per-user access.
- Delivered security and modernization engagements including CloudTrail-driven least-privilege IAM policy generation, AWS Security Agent penetration testing of a modernized Java/Spring Boot application, and CIS-benchmark account scanning.
- Authored and published three community Kiro Powers — AWS Security Analyzer, AWS Resilience Hub and AWS Inventory — packaging security posture assessment, resilience governance and account inventory as agentic IDE workflows built on MCP.
- Built internal AI platform assets, including a Bedrock Knowledge Base-backed internal documentation agent and an AIOps service offering spanning readiness assessment, monitoring, and modernization tracks.

### Cloud Engineer | Trundl

May 2024 – Aug 2025

- Delivered AWS infrastructure and automation for Atlassian and enterprise workloads, standardizing provisioning with Terraform modules and reusable pipelines.
- Built an Infrastructure-as-Code solution for automated Atlassian deployment (internal hackathon winner) and contributed to Nutanix infrastructure and disaster recovery strategy.
- Delivered an AWS Q Business proof of concept for enterprise knowledge search, and earned AWS Solutions Architect – Professional while in role.

### Senior Analyst, Technology Delivery | MassMutual India

Mar 2023 – Apr 2024

- Worked on the Blue Sky container-to-AWS migration project, contributing to EKS, EFS, Aurora, Secrets Manager, ALB, Route 53, ACM and Transfer Family provisioning with Terraform, alongside Rafay for Kubernetes fleet management.
- Remediated Struts and Spring vulnerabilities ahead of migration, producing patched JARs and version upgrades, and assessed application cloud-readiness.
- Root-caused OWASP-class findings from Snyk (XSS, SQL/XML/LDAP injection, path traversal); delivered LAN Share and cloud SFTP proofs of concept, and automated manual runbook tasks with shell scripts.

### Analyst, Technology Delivery | MassMutual India

Aug 2021 – Mar 2023

- Re-platformed enterprise Java applications from IBM WebSphere to Red Hat JBoss as part of an application modernization program.

- Reviewed code with the PMD static analyzer to surface common programming flaws, and instrumented applications in New Relic to track performance metrics and availability.

## SELECTED PROJECTS

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- **AWS Security Analyzer — Kiro Power** — read-only AWS security posture scan from the IDE: 194 checks across 43 services, 3 scan modes, compliance mappings for CIS, HIPAA, SOC 2, PCI DSS and FSBP, and reports with resource-level findings. On [kiro.dev/powers](https://kiro.dev/powers). [github.com/aquavis12/power-aws-security-analyzer](https://github.com/aquavis12/power-aws-security-analyzer)
- **AWS Resilience Hub — Kiro Power** — resilience assessment and governance in the IDE: GenAI failure-mode assessments, dependency discovery, RTO/RPO policy validation, Amazon Application Recovery Controller failover orchestration, and cost-quantified remediation reports. Published on [kiro.dev/powers](https://kiro.dev/powers). [github.com/aquavis12/power-aws-resilience-hub](https://github.com/aquavis12/power-aws-resilience-hub)
- **AWS Inventory — Kiro Power** — scans an AWS account and generates a full infrastructure inventory as a formatted Excel workbook — one sheet per service category, with filters, colour coding and resource tagging. [github.com/aquavis12/power-aws-inventory](https://github.com/aquavis12/power-aws-inventory)
- **AI Code Review Sandbox** — scans PyPI, npm, Maven and Git repositories for vulnerabilities, running each scan inside its own throwaway Firecracker microVM so untrusted packages can be installed, analysed, then destroyed. [github.com/aquavis12/AI-Code-Review-Sandbox](https://github.com/aquavis12/AI-Code-Review-Sandbox)
- **MCP Server on AWS Lambda** — production-ready pattern for running Model Context Protocol servers on Lambda, exposing CloudTrail, CloudWatch, EC2 and SNS/SQS to AI agents via Function URLs, IAM roles and response streaming. [hub.docker.com/r/cloudwithvishnu/mcp-lambda-runtime](https://hub.docker.com/r/cloudwithvishnu/mcp-lambda-runtime)

## CERTIFICATIONS

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**AWS :** Solutions Architect – Professional; DevOps Engineer – Professional; Security – Specialty; Advanced Networking – Specialty; Machine Learning – Specialty; Generative AI – Professional; CloudOps Engineer; Solutions Architect – Associate; Developer – Associate; SysOps Administrator – Associate; Data Engineer – Associate; Machine Learning Engineer – Associate; AI Practitioner; Cloud Practitioner

**CNCF / Linux Foundation:** Kubernetes and Cloud Native Associate (KCNA); Kubernetes and Cloud Native Security Associate (KCSA)

**HashiCorp:** Terraform Associate; Vault Associate

**NVIDIA:** NVIDIA-Certified Associate: Generative AI LLMs (NCA-GENL)

**Oracle Cloud:** OCI Foundations; OCI AI Foundations; OCI Agentic AI Foundations

**Anthropic:** Claude Certified Associate – Foundations

**Fortinet:** NSE 1; NSE 2

## COMMUNITY, SPEAKING & WRITING

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- AWS Community Builder, Security category (Mar 2025 – Present); PartyRock Educator (Jun 2026 – Present).
- Chapter Lead, Golden Jackets India (May 2026 – Present) — community of engineers holding every active AWS certification.
- 18+ talks across 2 countries and 12+ cities, including AWS Summit Bengaluru 2026 (Developer Community Theatre), GITEX Global 2025, AWS Community Day UAE 2025, and AWS Community Days Kochi, Nagpur, Vadodara, Vizag and Bolivia.
- Speaker, mentor and workshop lead for AWS Student Builder Groups at MAIT Delhi, Chandigarh University, RGUKT Ongole, Siddhartha University and MLRIT — 500+ students mentored.
- 60+ technical articles on [vishnurachapudi.com](https://vishnurachapudi.com), AWS Builder Center, Dev.to and Hashnode covering AWS security, agentic AI, FinOps, DevOps and disaster recovery

## AWARDS

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- SUDO Consultants — Top Performer, Managed Services (2026 annual award); Top Performer of the Month (Oct 2025, Dec 2025)
- AWS Community Builders Spotlight — 5 Timers Club (2026)
- Trundl — Hackathon Winner, IaC for Atlassian deployment (2025); Champion Team, Nutanix infra & DR (2025); Star Performer, AWS Q Business POC (2024)
- Runner-up, AWS Amplify Hackathon, AWS User Group India (2024);
- Rising Star, annual award, MassMutual India (2022)

## EDUCATION

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**B.E., Electronics & Communication Engineering** | CBIT, Hyderabad

Aug 2017 – Jul 2021