DIGAMBAR RAJARAM

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PROFESSIONAL SUMMARY

Infrastructure & DevOps Engineer with **2.4 years of enterprise experience** supporting **mission-critical government platforms**. Strong background in **VMware vSphere, Windows Server, Linux, and datacenter operations**, with hands-on experience in **cloud-native DevOps practices** including **AWS, Docker, Terraform, CI/CD, and Git**. Possesses **working knowledge of Kubernetes, Jenkins, Ansible, and Prometheus** through projects and labs. Actively transitioning into **DevOps and Cloud Engineering roles** with a solid infrastructure foundation.

TECHNICAL SKILLS

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda, API Gateway, CloudFront, AWS App Runner), Git, GitHub Actions, Jenkins, Terraform (IaC)

Containers & Automation: Docker (multi-stage builds), Kubernetes, Ansible, Python, Shell scripting

Monitoring & Observability: Amazon CloudWatch, Prometheus, Grafana

Infrastructure & OS: VMware vSphere, Windows Server, Linux (Ubuntu), Datacenter Operations

Application & APIs: FastAPI, REST APIs, Next.js

Tools & Platforms (Hands-on / Exploratory): Codeium, Brainboard, K8sGPT, Vercel, Gradio, Clerk, Amazon Bedrock, SageMaker, Langfuse, Semgrep, S3 Vector Storage

PROFESSIONAL EXPERIENCE

Protean eGov Technologies Ltd *(Formerly NSDL e-Governance Infrastructure Ltd)*
Assistant Manager – Infrastructure & DevOps
Mar 2023 – Jun 2025

National Pension System (NPS) – Enterprise Infrastructure Platform
- Supported **enterprise infrastructure operations** for the National Pension System (NPS), a large-scale government financial platform
- Managed **VMware vSphere virtualized environments** supporting production and non-production systems
- Performed **Windows Server administration** including provisioning, patching, monitoring, and lifecycle management
- Participated in **datacenter operations**, incident handling, and change management activities
- Coordinated with application and security teams to ensure **system availability, stability, and compliance**
- Identified infrastructure bottlenecks and **automation opportunities** to reduce manual operational effort

Internal Infrastructure Automation Project – Inventory Management Tool
- Designed and developed an **internal inventory management tool** to track hardware and software assets
- Improved **asset visibility, audit readiness, and operational efficiency**
- Reduced manual tracking effort during infrastructure reviews and audits

Promotion: Promoted to **Assistant Manager (March 2024)** based on performance and operational ownership

DEVOPS & CLOUD PROJECTS (PERSONAL Project)

AI-Driven DevOps Incident Management on AWS

- Designed a **controlled, production-style incident simulation environment** on **AWS** to evaluate **AWS DevOps Agent (Preview)** using **real operational signals**.
- Implemented infrastructure using **Terraform (Infrastructure as Code)** with **separate bootstrap and application scopes** for secure and auditable deployments.
- Built **CI/CD workflows** using **GitHub Actions** with **OIDC authentication** to deploy and manage **API Gateway** and **AWS Lambda**.
- Implemented **deterministic failure injection** using **environment-based configuration** to generate **CloudWatch logs and metrics** for incident analysis.
- Evaluated **incident correlation and investigation capabilities** using **CloudWatch telemetry** and **deployment history**.

Production AWS Multi-AZ Web Stack

- Analyzed and reviewed a **production-grade AWS Multi-AZ three-tier architecture** implemented using **Terraform**, focusing on **high availability, security, and scalability**.
- Evaluated **VPC design across three Availability Zones** with **public, private-app, and private-DB subnets**, **Internet Gateway**, **per-AZ NAT Gateways**, and **VPC Flow Logs** for auditability.
- Reviewed **traffic flow and load balancing** using an **internet-facing Application Load Balancer** with **cross-zone load balancing** and routing to a **private EC2 Auto Scaling Group**.
- Assessed **compute and security hardening**, including **IMDSv2 enforcement**, **Secrets Manager integration**, **CloudWatch logging**, and **security group-based tier isolation**.
- Analyzed **data tier architecture** using **RDS MySQL Multi-AZ** and **ElastiCache Redis (cluster mode, Multi-AZ, TLS)** with credentials stored in **AWS Secrets Manager**.
- Identified **architecture risks and improvement opportunities**, such as **WAF integration**, **ALB access logging**, **VPC endpoints**, **egress restrictions**, and **secret rotation strategies**.

AI Digital Twin – Cloud-Native DevOps Project

- Designed and deployed a **serverless cloud architecture** using AWS Lambda, API Gateway, S3, and CloudFront
- Provisioned infrastructure using **Terraform (Infrastructure as Code)** with environment isolation
- Implemented **CI/CD pipelines using GitHub Actions** with secure OIDC-based AWS authentication
- Built **FastAPI-based backend** and deployed frontend using CDN-backed static hosting
- Applied IAM best practices and automated deployment workflows

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TRAINING & UPSKILLING

- Cloud & DevOps Upskilling Program – **Learnbay (Microsoft Collaboration, 2025)**
- AI Engineer MLOps Track – Deploy GenAI & Agentic AI at Scale (Udemy)
- VMware vSphere ESXi & vCenter Administration (Udemy)
- Java Full Stack Development – TalentSprint / Q-J Spiders

EDUCATION

Bachelor of Engineering (BE)
VSM's S.R. Kothiwale Institute of Technology, Nipani, Belgaum
Sep 2018 – Jul 2022