DEEPAKRAJ RAVI

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WORK EXPERIENCE

Encora Innovative Labs, India.(Remote) *Jul 2022 – Aug 2023*
Cloud operations engineer

- Implemented cloud-native monitoring and observability tools (CloudWatch, Prometheus, Grafana Cloud) to proactively track performance across 50+ Kubernetes clusters, resulting in a 35% faster incident detection rate and improved system reliability.
- Designed and deployed platform-agnostic microservices on Kubernetes with GitOps workflows via ArgoCD, reducing software update times by 90% and cutting customer onboarding time by 50% through automated, standardized deployments.
- Developed scalable CI/CD pipelines using GitHub Actions to automate container builds, testing, and delivery for 25+ microservices, reducing release cycle time by 40% and increasing deployment frequency.
- Strengthened cloud infrastructure reliability and compliance by enforcing IAM, encryption, and network policies, achieving 99.98% uptime and 100% audit compliance (ISO 27001, GDPR), while also reducing cloud spend by 28% through optimization.

Varcons Technologies, India. *Jan 2022 – May 2022*
Devops Intern

- Streamlined the deployment of hundreds of Enterprise Archive (EAR) files by automating WebSphere Application Server deployments using Jenkins, significantly reducing manual errors and increasing deployment efficiency.
- Architected and orchestrated end-to-end CI/CD pipelines in Jenkins to manage build, test, deployment, and reporting workflows, enhancing release consistency and accelerating the delivery lifecycle for enterprise applications.
- Gained domain expertise in the Banking and Financial Services sector while learning full SDLC processes, including change and incident management, through hands-on involvement in enterprise-grade microservices and REST API development.

PROJECTS

CI/CD Automation.
Tools: Jenkins, Docker, Kubernetes, ArgoCD, SonarQube, GitHub, Spring Boot

- Engineered an end-to-end CI/CD pipeline using Jenkins, Docker, SonarQube, and ArgoCD, enabling zero-touch Kubernetes deployments and reducing release cycle time by over 50%.
- Implemented GitOps-driven continuous deployment with ArgoCD, integrating automated quality checks via SonarQube and achieving consistent, secure updates on every GitHub commit.

AWS – Cost Optimization Automation
Tools: AWS Lambda, Python, Boto3, CloudWatch, EC2, EBS, IAM

- Developed a serverless AWS Lambda solution with Python (Boto3) to automate the deletion of unused EBS snapshots, achieving a 30% reduction in cloud storage costs.
- Automated snapshot cleanup via CloudWatch-scheduled Lambda functions, integrating real-time logging and IAM-based auditing to ensure secure, scalable, and hands-free cost optimization.

Deployed Microservices Application on AWS EKS with Helm
Tools: AWS EKS, Helm, Kubernetes, Docker, Instana, Node.js, Spring Boot, Flask, Golang, MongoDB, MySQL, Redis, RabbitMQ, AngularJS, Nginx

- Deployed Stan's Robot Shop microservices application on AWS EKS using Helm charts and Kubernetes manifests, demonstrating expertise in scalable container orchestration and infrastructure management.
- Containerized 10+ services with Docker and configured robust inter-service communication across Kubernetes clusters, while monitoring performance with Instana to reduce issue response time by 60% through enhanced observability.

EDUCATION

George Brown College, Toronto, Canada *Jan 2025 – Jan 2026*
Cloud computing technologies

Georgian College, Barrie, Canada *Jan 2024 – Sep 2024*
Project Management

SSS Computer Academy, India *July 2022 – July 2023*
Advanced diploma in computer programming

Loyola College of Arts & Science,, India *Aug 2019 – Jun 2022*
Bachelor of Arts - Eng Lit

CERTIFICATIONS AND KEY SKILLS

- Certified Kubernetes Administrator (CKA) – Issuing Authority, The Linux Foundation (2025) - [Credential]
- AWS Certified Solutions Architect – Associate Issuing Authority, AWS training & certification (2024) - [Credential]
- AWS Certified Cloud Practitioner Issuing Authority, AWS & certification (2024) - [Credential]

Soft Skills: Communication • Leadership • Problem-Solving • Time Management • Adaptability • Teamwork • Resilience • Critical Thinking