

KANNAN NARAYANASAMY

LEAD DEVOPS/SRE ENGINEER

My Contact

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🌐 <https://techkannan.dev>

Certifications

- Certified Kubernetes Administrator
- Certified Kubernetes Security Specialist
- Certified Kubernetes Application Developer
- Microsoft Certified Azure Solution Architect Expert
- Microsoft Certified Azure Administrator Associate
- Oracle Certified Cloud AI Associate
- Oracle Certified Java 17 Professional
- Certified Scrum Master
- Microsoft Certified Professional – Programming in HTML5 with Javascript and CSS3

Education Background

- *Bharathidasan University*
Masters of Business Administration, 2015
- *SASTRA University*
Bachelor of Technology in Computer Science and Engineering, 2013
- *Srinivasan Polytechnic College*
Diploma in Computer Science and Engineering, 2010

Hard Skill

- Devops
- Cloud
- Containerization
- Vulnerability Scanning
- Networking Concepts
- Continuous Improvement

About Me

Experienced Lead DevOps Engineer and KubeStronaut with a platform-first mindset and hands-on expertise in Kubernetes, GitOps, and CI/CD. Proven success in building scalable, resilient infrastructure and developer platforms that accelerate delivery, reduce incidents, and support high-availability systems. Adept at leading teams or driving complex DevOps initiatives independently across fast-paced, agile environments.

Professional Experience

Netcracker | Lead Devops Engineer

11/2024 – Present

Key responsibilities:

- Led the system design of qubership-envgene, a templated environment generator: architected the solution structure to automate reproducible Dev/Test/Prod environments with version-controlled inventory and encrypted secret handling.
- Designed the integration architecture for qubership-envgene with existing CI/CD pipelines (Jenkins, GitLab CI) and GitOps workflows, ensuring seamless provisioning and synchronization from Git to Kubernetes clusters.
- Constructed multi-cloud Kubernetes clusters (AWS & GCP) infrastructure using Terraform and Ansible, enabling scalable and consistent environment deployments across cloud providers
- Collaborated with delivery engineers to implement blue/green deployment strategies, rollback capabilities, and policies—contributing to a 45% reduction in deployment incidents
- Established security design patterns—including namespace-based isolation, RBAC, and integration with Vault/SSM for secrets—supporting zero critical vulnerabilities in deployments

Oracle | Senior Principal Consultant

05/2022 – 11/2024

Key responsibilities:

- Designed and implemented high-availability Kubernetes clusters with automated disaster recovery, achieving 99.95% system availability
- Implemented infrastructure-as-code practices with Terraform, enabling complete environment provisioning in under 30 minutes
- Built comprehensive observability platform with Prometheus, Grafana, and EFK stack, reducing MTTR by 40%
- Providing mentorship and fostering professional growth.
- Implemented security best practices across the CI/CD pipeline, resulting in zero critical vulnerabilities in production
- Led technical workshops for 20+ client engineers on Kubernetes and cloud-native technologies
- Established GitOps workflow with ArgoCD, reducing deployment cycles from days to hours
- Developed and deployed Java Spring Boot-based cloud-native applications, improving application performance.

Soft Skill

- Team Management
- Decision making
- Communication
- Collaboration
- Mentor
- Troubleshoot
- Problem Solving

IBM UK | Software Engineer – Cloud, Devops and Microservices

11/2018 – 01/2021

Key responsibilities:

- Architected and implemented scalable cloud infrastructure for a property data startup, focusing on reliability and cost-efficiency
- Led migration of 15+ applications from EC2 to EKS, improving resource utilization by 55%
- Built numerous Spring Boot services for a microservices-based system, improving system modularity and scalability.
- Build workflows to create immutable infrastructure in AWS using Terraform and ansible.
- Automated operations processes, significantly reducing manual intervention.
- Developed Ansible playbooks and automated routine Linux scripts, improving operational efficiency.
- Implemented security measures using Kong API Gateway, ModSecWAF, enhancing cybersecurity.
- Built multiple POCs including filtering service, Kubernetes migration, etc.

IBM India | Microservices (Cloud) Engineer

06/2013 – 10/2018

Key responsibilities:

- Established continuous build environments using IBM Cloud Toolchain, speeding up software development by 50%.
- Implemented robust platforms using DevOps tools (GitLab, Istio, Prometheus, Grafana, PagerDuty), enhancing system reliability.
- Managed and monitored containerized workloads and Cloud Foundry services, improving system observability.
- Conducted training sessions for 500+ developers, enhancing technical expertise across the organization, awarded as tutor by IBM.
- Built and maintained Jenkins pipelines, streamlining CI/CD processes.
- Developed full-stack applications and set up monitoring services, enhancing application performance and monitoring.