Kashinath Nagaralli

DevOps Engineer

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Contact No:
Languages: English, Kannada, Hindi
Location: Bengaluru

PROFESSIONAL SUMMARY:

DevOps-oriented Software Engineer with 3.4 years of hands-on experience building, automating, and supporting large-scale enterprise systems. Strong background in Linux, Python, Bash scripting, SQL, and cloud-native tooling. Proven ability to design automation that reduces manual effort, improves operational efFiciency, and enhances system reliability across data center and cloud environments. Experienced in CI/CD, containerisation, monitoring, and incident/change management workFlows.

TECHNICAL SKILLS

CORE EXPERTISE
●**Cloud Platforms:** ORACLE CLOUD (OCI), AWS, Microsoft Azure
●**Infrastructure as Code**: Terraform, Ansible
●**Container Orchestration:** Kubernetes (OKE, AKS, EKS), Docker
●**CI/CD & GitOps**: GitHub Actions, Jenkins, Azure DevOps, ArgoCD, Helm, OCI Registry, ACR, ECR, Nexus
●**Cloud Networking**: VPC, Subnets, Load Balancers, Security Groups, NACLs

MONITORING & SECURITY
●**Observability**: Prometheus, Grafana, ELK Stack
●**DevSecOps:** IAM, RBAC, OCI Policies, Azure AD, AWS IAM
●**Scripting:** Bash, Python, YAML/JSON, Helm Charts

OTHERS:
- **Collaborations**: Git, GitHub, JIRA, Slack, Confluence, Agile/Scrum
- **Database & Storage**: MySQL, PostgreSQL, SQL, AWS S3, OCI Object Storage
- **Networking & Security:** VPC configuration, Load balancing, SSL/TLS, DNS management, Security groups, OCI VCN, **Additional Tools:** Postman, kubectl, Helm
- **Web Technology**: HTML, CSS, JS
- **Software Tools**: Oracle APEX, Oracle ORDS, Oracle Analytics Cloud

WORK EXPERIENCE

DevOps Engineer I || ***Infrastructure Health Check Project*** **(Oracle Cerner : Nov 2024 - Present)**

- Automated large-scale **Linux server health checks** using **Bash and Python**, covering OS, filesystem, LVM, networking, and hardware validation across 20,000+ servers.
- Designed and developed **modular Python-based automation frameworks** (not just scripts), using reusable functions, structured logging, configuration-driven execution, and API integrations to standardize operational workflows.
- Built **data processing pipelines in Python** to parse system outputs, validate conditions, and generate structured results, enabling intelligent decision-making instead of simple script-based checks.
- Implemented **CI/CD pipelines using Jenkins** to version, test, and deploy operational scripts reliably across development and production environments.
- Built **HTML-based health check reports and dashboards** with PASS/FAIL indicators, enabling faster issue identification and troubleshooting for infrastructure teams.
- Integrated automation outputs with **incident and change management processes**, supporting the resolution of 600+ incidents and 800+ change requests annually.

DevOps Engineer I || E-Commerce Products Suite (Oracle Cerner : Sept 2023 - Present)

- Streamlined the **CI/CD pipeline for Java-based applications using Gradle, resulting in a 20% reduction in build** and deployment times.
- **Strong experience in containerization of microservices architecture applications** where I have containerized services of 3 development teams.
- Pioneered the Kubernetes adoption in the organization which helped the organization achieve **20 percent efficiency** in terms of cost.
- **Implemented infrastructure as code for the microservices and the kubernetes infrastructure on AWS.**
- **Strong experience in AWS and AWS networking such as VPC, Load Balancing, Compute and IAM.**
- Introduced **version control best practices with Git,** improving code collaboration and traceability. Helped teams with branching strategy and webhook configuration.
- Helped in educating the junior devops engineers or other development teams in onboarding Kubernetes by performing proof of concept.
- Led knowledge-sharing sessions on CI/CD and automation, empowering team members to take ownership of their workflows.
- Resolved critical production incidents promptly, maintaining system availability and minimizing business impact.
- Experience **working Route53 and hosted zones where I have orchestrated the route 53 and ALB integration** for custom domain implementation in Kubernetes.
- Mastered **Kubernetes Ingress** and Implementation of Kubernetes Ingress for multiple micro services.
- Setup a **terraform remote backend and locking mechanism for the organization using AWS S3 bucket and dynamodb**.
- Experience with t**erraform remote state management for multiple development teams.**

Software Developer I || *Monitoring tool for Network and Storage Path Check* (Oracle Cerner: Aug 2022 **- Aug 2023)**

- Created a **fully automated** system that manages end-to-end data collection and report generation without human intervention.
- Managed over **10,000 servers** in our Data Center, automatically generating tickets for hardware. Failures.
- Enhanced server management efficiency, ensuring top-notch support for clients and stakeholders.
- Closed more **than 600+ incident requests** and **800+ change requests** over 1 year of time period.
- Assisted onsite team in replacing faulty hardware and maintenance activities.

Certifications & Awards

- OCI DevOps Professional.
- Quarterly Best project Award

EDUCATION & CAREER TRANSITION

- Reva University *B.Tech in Electronics and Communications Engineering* **2018 –2022**