VISHAL DAMODHARAN

Devops Engineer

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Dynamic DevOps Engineer with 3 years of experience and a Certified Kubernetes Administrator(CKA). A collaborative team player, adept at working cross-functionally with development, operations, QA, and product teams to ensure alignment objectives and drive continuous improvement initiatives. Committed to leveraging technical acumen and teamwork skills to deliver innovative solutions.

SKILLS

- Container Orchestration: Kubernetes, Docker, Helm
- Infrastructure as Code: Terraform, Pulumi
- CI/CD: Jenkins, GitLab, CircleCI
- Cloud/ virtualization: AWS, GCP
- Messaging Systems: Kafka
- Agile Methodologies: Scrum, JIRA
- Security: HCP Vault, AWS KMS
- Monitoring and Logging: Prometheus, Grafana
- Scripting: Bash, Python
- Programming Languages: Python, JavaScript, Go
- Version Control: Git, GitLab, GitHub
- Configuration Management: Ansible

WORK EXPERIENCE

Devops Engineer Pegasystems, Cambridge   Jun 2022 - present

- Collaborated with Engineering on pre-release product testing, identified automation opportunities by streamlining regression test suites, and accelerated the release cycle, enhancing efficiency and reliability in product development.
- Addressed infrastructure scalability challenges by spearheading the provisioning of new environments and orchestrating upgrades, such as introducing Kubernetes orchestration in GCP using GKE, resulting improvement in system performance.
- Directed the decommissioning of legacy environments, such as migrating critical applications to Google Cloud Platform (GCP), implemented proactive root cause analysis to resolve customer issues, and successfully eliminated security vulnerabilities

Software Development Engineer (Devops) Esper.io, Bellevue   Jul 2021 - Jun 2022

- Led a cross-functional team of cloud engineers in designing a device simulation using Golang, and oversaw the automation and deployment of a fleet of devices, facilitating efficient communication and message transmission with the dashboard.
- Pioneered the creation of an internal data pipeline, aggregating device metrics into a centralized Redshift database and enabling real-time visualization in Quicksight, enhancing data-driven decision-making.
- Played a pivotal role in architecting and setting up the infrastructure usinfg Terraform for deploying an over-the-air update system for the company's managed OS on GCP, ensuring seamless and secure updates for all devices.
- Developed a high-performance streaming service to deliver files and applications from S3 using Global Accelerator, ALB, and EC2, providing users with fast, reliable access to resources via a static IP address.

Software Engineer Open Water Accelerator, Menlo Park, CA   Sep 2020 - Dec 2020

- Led a cross-functional team in developing a RESTful API for the Python/Flask web application, enhancing its functionality and enabling data retrieval and manipulation.
- Collaborated with data scientists to integrate machine learning models into the application, enhancing its data processing capabilities and enabling predictive financial analytics.

EDUCATION

Northeastern University, Boston, MA   May 2021
Master of Science in Computer Systems Engineering, Internet of Things Specialization   GPA: 3.54/4

SRM Institute of Science and Technology, Chennai, India   May 2018
Bachelor of Technology, Electronics and Communication Engineering   GPA: 8.3/10

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)   Dec 2023 - Dec 2026
- Certified Kubernetes Application Developer (CKAD)   Aug 2023 - Aug 2026