

Girish V

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Senior DevOps & Cloud Engineer

in www.linkedin.com/in/vgirish10

git <https://github.com/GirishCodeAlchemy>

🔗 <https://girishcodealchemy.vercel.app>

📄 <https://girishv.hashnode.dev/>

IT professional with over 8 years of professional experience in DevOps and Cloud Engineering. I have led teams and implemented technologies such as Terraform, CloudFormation, and Jenkins to provision AWS infrastructure efficiently. I also migrated 20 microservices to EKS, resulting in 60% server usage decrease and 50% faster response time in just 2 years. Specialized in Cloud technologies such as AWS, GCP & Devops,/SRE Engineer roles, with strong foundation in Application Design, Development, Deployment and Rest API implementation, Proficient in Python, Golang and Nodejs. Hands-on expertise in Docker, Kubernetes, kafka, Elasticsearch, Logstash, Kibana, and a range of DevOps tools. Continuous integration and delivery experience (ci/cd), emphasizing Terraform and Jenkins for Infrastructure as Code (IaC). Experience includes AWS, working with Api Gateway. Lambda, Step Functions, EC2, EKS, S3, SQS and more. Successfully worked with APM monitoring applications, caching systems like Redis, and various databases. Extensive experience with Scrum and agile methodologies. **I am looking to join a team to work on improving developer experience, building scalable cloud infrastructure, and process automation.**

| SKILLS

Programming	Python, Golang, Nodejs, Bash
Database	PostgreSQL, MongoDB, MySQL, Redis, Bigquery
Devops:	Jenkins, Github Actions, Terraform, Cloudformation, Ansible, Fluxcd, ArgoCD, Helm, SonarQube
Tools	Git, Bitbucket, Docker, Kubernetes, Apache & Confluent Kafka, Elasticsearch(ELK), VS Code,
Monitoring	Kibana, Grafana, Splunk, Datadog, Prometheus, New Relic, AppDynamics, Scalyr, Pagerduty, Victorop
AWS	EC2, EKS, S3, SQS, SNS, Lambda, Stepfunction, Batch, Sagemaker & studio, MKS, EBS, Route53, WAF, CloudFront, API Gateway, VPC Peering. Cloud watch, Auto Scaling, ALB, DynamoDB, RDS
GCP	Compute Engine, GKE, Cloud Function, Cloud load balancing, Firebase, Pub/Sub, Cloud Identity
OS	Linux , MacOS & Windows

| WORKING EXPERIENCES

Eagleview (2022 – 2023)

I Senior Devops & Cloud Engineer

Technology stack: Python, Golang, Terraform, CloudFormation, Jenkins, Amazon Web Services, Redis, Jira.

- Authored and owned all internal Terraform modules and worked with the IT/security team to provide enterprise-grade infrastructures.
- Spearheaded the implementation of Terraform, CloudFormation, and Jenkins for streamlined AWS infrastructure provisioning, ensuring rapid and reliable deployment.
- Migrated 20+ microservices from self-host cluster to EKS and established internal GitOps culture with ArgoCD, Github actions, and Terraform, while ensuring seamless integration of OAuth and OIDC for secure access control.
- Engineered AWS Lambda and step functions with Golang and Python, enhancing data workflow efficiency and modularized orchestration pipelines for improved maintainability.
- Distributed stable service globally with CloudFront and Route53, successfully cut server usage by 60%, and decreased responding time by 50%.
- Explored AWS SageMaker for optimized migration of PyTorch and TensorRT machine learning models, utilizing SageMaker Studio for model registry and deployment. Integrated SonarQube for code quality checks, addressed issues in Python and Terraform, and optimized system performance
- Utilized Seldon for the cloud-agnostic deployment of machine learning models on AWS Sagemaker, contributing to continuous improvement through code reviews, Agile methodologies, and knowledge-sharing sessions.

Maple labs Pvt Ltd (2015 – 2022)

Client: Cisco (2020 - 2022)

I Technical Lead

Technology stack: Golang, Python, Aws, Microservices, Docker, Jenkins, Kubernetes, Kafka, ELK.

- Effectively led a team of 7 engineers in software development and implementation, demonstrating strong listening skills and actively seeking feedback for technical solutions, while aligning Intersight processes with broader business objectives.
- Improved internal tooling and speeded up Jenkins continuous testing/deployment pipelines by 5 times.
- Enhanced inventory data collection efficiency and user accessibility by orchestrating the integration of Intersight with the Common Inventory framework, maintaining rapid development timelines.
- Led critical Storage Operations for IMM Servers, ensuring seamless storage functionality through the development of a Golang microservice for communication with Cisco servers.
- Elevated code quality by resolving Static Analysis Issues in Golang and Python microservices, utilizing golinters and pylint.
- Boosted unit test coverage by 80% across multiple Go files through the implementation of a Golang mock framework for extensive unit testing, leveraging AWS Glue for data transformation and integration.

Client: Cohesity (2018 - 2020)

I Full-stack Engineer

Technology stack: Node.js., AngularJS, Python, Google Cloud Platform (GCP), Docker, Kubernetes, Kafka.

- Leveraged Docker and GCP to speed up the full-node initial process, and successfully decrease the usual full-node hosting DevOps from 3 weeks to 15 seconds.
- Improved performance tracking for Helios, a SaaS platform managing secondary data and applications, by implementing New Relic APM monitoring, covering multi-cluster management for Cohesity's network of microservices hosted in Google Cloud.
- Designed and developed a signature framework service as a full-stack developer, utilizing Node.js for the backend and AngularJS for the front end, aimed at detecting and addressing anomalous behavior within the cluster.
- Programmed REST APIs in both Node.js and Python to support various cluster operations, including the generation of detailed reports in PDF format.
- Utilized the Robo framework in Python for writing unit test cases across different services.
- Demonstrated proficiency in Docker and Kubernetes in Google Cloud Platform (GCP), establishing microservices for diverse functionalities, and efficiently managed a Kafka cluster using Google Kubernetes Engine (GKE), addressing critical issues for performance optimization and balanced message distribution.

Client: Maplelabs, Springpath (2015 - 2018)

I Python Engineer

Technology stack: Python, Django, Golang, Elastic Search, Logstash, Kibana, Docker, Kubernetes, Kafka, ELK.

- Designed and developed end-to-end Rest APIs using the Django framework in Python, improving data exchange and system integration.
- Migrated the vCenter controller from Python to Golang for more efficient data retrieval, seamlessly integrating with Elasticsearch for enhanced storage and retrieval.

- Led Python efforts for PDF report generation, utilizing Logstash for efficient data export from Elasticsearch to CSV format, ensuring streamlined data management.
- Employed Goroutines in Golang for periodic vCenter data polling, enhancing data retrieval efficiency with minimal system disruption.
- Contributed to Elasticsearch implementation for advanced data storage and retrieval, leveraging Python for key roles in data processing and optimization.
- Played a pivotal role in optimizing data handling processes using Python, contributing to improved data integrity and business operations.
- Implemented a Python-based data backup strategy for efficient management of older monitoring data in Elasticsearch every 7 days, optimizing storage space usage.

| CERTIFICATES

- **AWS Cloud Practitioner Certificate** (Dec 2023) Issued by AWS
- **Cybersecurity by Microsoft** (Dec 2023) Issued by Microsoft
- **Github Professional Certificate** (Nov 2023) Issued by Github
- **Introduction to Data Science** (Jul 2023) Issued by Cisco

| EDUCATION

PESIT South Campus (2011 – 2015)

Bachelor of engineering in computer science

| LANGUAGES

English, Kannada, Hindi, Telugu