Girish V

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FullStack Engineer

in www.linkedin.com/in/vgirish10
git https://github.com/GirishCodeAlchemy
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IT professional with over 8 years of professional experience. Specialized in Application Design, Development, Deployment and Rest API implementation, excelling in Cloud Technologies like AWS, GCP, Azure and actively involved in open-source projects. Proficient in Python, Golang and Nodejs, with additional expertise in frontend technologies like Angular and ReactJS. Hands-on expertise in Docker, Kubernetes, kafka, Elasticsearch, Logstash, Kibana, and a range of DevOps tools. Continuous integration and delivery experience, 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.

| SKILLS

Linux, macOS, Windows, Golang, Python, Nodejs, Angular, ReactJs, Bash, Django, Flask, Sailjs, Docker, Kubernetes, Apache & Confluent Kafka, Elasticsearch, PostgreSQL, MongoDB, MySQL, Redis, Bigquery, Jenkins, Terraform, Cloudformation, Ansible, Github Action, Fluxcd, Argocd, Helm, SonarQube, Kibana, Grafana, Splunk, Datadog, Prometheus, App Dynamics, Scalyr, Pagerduty, Victorops, AWS (Ec2, EKS, S3, SQS, SNS, Lambda, Stepfunction, AWS Batch,Route53, API Gateway, Cloud Watch, AutoScaling, ALB, NLB, cloudfront, WAF, VPC peering, SSM Permission sets, IAM, DynamoDB, EBS, Sagemaker & studio, MKS), Google Cloud (Compute Engine, GKE, Cloud Function, Cloud load balancing, Pub/Sub, Cloud Identity), Azure (Virtual Machine, AKS, Azure Function, Azure load balancer, Azure Active Directory).

| PROFESSIONAL EXPERIENCES

Eagleview (2022 – 2023)

I Senior MLOps and Cloud Engineer

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

- Spearheaded the implementation of Terraform, CloudFormation, and Jenkins for streamlined AWS infrastructure provisioning, ensuring rapid and reliable deployment.
- Engineered AWS Lambda and step functions with Golang and Python, enhancing data workflow efficiency and modularized orchestration pipelines for improved maintainability.
- Implemented Pydantic for efficient error handling and custom validation in data modeling.
- Established a comprehensive messaging system with SQS, Dead Letter Queues, and API Gateway, providing flexibility in AWS environments.
- 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 with Redis and AWS CloudFront. Utilized Seldon for the cloud-agnostic deployment of machine learning models on AWS, 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.

- led the development of a robust Golang microservices architecture for a Cisco client, utilizing the Intersight platform. This involved creating a sophisticated communication system between microservices using Kafka,

highlighting my proficiency in building scalable and efficient systems.

- Implemented a rate circuit breaker to enhance system reliability, contributing to the overall resilience of the platform.
- 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.
- 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.

Client: Cohesity (2018 - 2020)
I Full-stack Engineer
Technology stack: Node.js., AngularJS, Python, Azure, Google Cloud Platform (GCP), Docker, Kubernetes, Kafka.

- 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.
- Improved performance tracking for Helios, a SaaS platform managing secondary data and applications, by implementing New Relic APM monitoring in Azure, covering multi-cluster management for Cohesity's network of microservices hosted in Google Cloud.
- Demonstrated proficiency in Docker and Kubernetes in Google Cloud Platform (GCP) & Azure, 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