Nikhil Patel

Golang Developer

✉ nikhil2804patel@gmail.com 📱 +91-830-6364-830

Technical Skills

- Golang (Go), Python, Kubernetes (k8s.io packages), Amazon Web Services (Organizations, Accounts, Athena, IAM, Control-tower, CUR, firehose, Amazon S3 SQS, Eventhub, STS), Hashicorp Vault, Terraform, Microservice Architecture, Ginkgo, GitHub (Git), Github action, Jira, Docker, ArgoCD, Dynatrace, Splunk, SQL
- Intermediate knowledge of Terraform, Protobuf, gRPC, Java, Python, node js, Vue js, Kafka, Rabbitmq, GQL, JWT, Okta

Summary

- Golang developer with 6+ years of experience developing microservices and web services.
- Expertise in the debugging of complex Go code and Kubernetes services on Linux platforms. Good knowledge of Design Patterns, Multithreading, and GO containers. Well-versed in the use of Channels and Goroutines.
- Experience with Terraform to manage and deploy resources and infrastructure to AWS, and Dynatrace Alerts.
- Experience with AWS, Docker, and Kubernetes for designing, developing, implementing, and deploying cloud applications.
- Extensive experience in the entire SDLC, including requirement analysis, design, development, testing, and implementation.
- Managed all aspects of the project's life cycle using Agile methodologies. Expertise in creating user stories and reports using JIRA.
- Expertise in writing SQL queries for Oracle DB, MySQL, and PostgreSQL databases used in application development.

Work Experience

McKinsey & Co., India   Aug 22 - Present
Sr Golang Developer

Project: An account on demand service, which provides a user with an Amazon Web Services account on demand.

- Developed API services using Golang, k8s CRD and k8s.io packages, which act as middleware between our application and Kubernetes.

- Developed Golang API services to do operations with AWS accounts using the aws-sdk-go package (organizations, account, sts, s3, firehose etc). Also, Has experience in handling AWS Organization, root account, system account, audit account, Landing Zones, Guardrails, Control Tower etc.

- Developed a few UI modules for the front end using vue.js. Also made changes to existing UI to facilitate requirements.

- Created Terraform scripts to manage and deploy resources and infrastructure to AWS and Dynatrace.

- Developed e2e test cases using Golang and Ginkgo framework for application to ensure application performance and prevention of prod incidents.

- Integrated Git Action with repositories where the developer actions (like build, linting, docker image push, e2e testing etc) trigger automatically when we push code or create a pull request.

- Using GO, developed Kubernetes cronjobs (ETL microservices) for reading a large volume of data from AWS CUR using Athena and Loading it into the Postgres database.

- Responsible for software maintenance across the codebase. Done any debugging necessary to fix any coding or compiling issues. Which Requires a wide understanding of the internals of the software and systems.

- Containerized applications using Docker: Created docker files, build docker images for microservices to run on Kubernetes.

Hewlett Packard Enterprise, India
Feb 21 - Aug 22
Golang Developer

Project: An application where users can interact and do the operations with HPE Nimble/Primera Storage.

- Leveraged my golang knowledge to develop Rest APIs using technologies like GQL (gqlgen), postgre,kafka for HPE storage cloud application.

- In process, Got extensive knowledge of data center and containerization technologies like (VMWare vcenter, Brocade Switches, Nimble storage, Primera storage etc.)

- Developed Deployment components (docker file, .yml for Kubernetes pods, Configmap) for Microservices.

Ayopop Technology India Pvt Ltd, India
Apr 20 - Feb 21
Golang Developer

Project: An application where users can recharge, pay, buy Gift Vouchers etc.

- Created microservices using Golang, MySQL DB (using GORMS) to facilitate payments and recharges.

- Developed numerous APIs that are related to payments and gift vouchers for a variety of vendors.

- Implemented JWT authentication, access management, and request-response handling using Golang middleware.

- Made user experience smoother and glitch-free through extensive bug fixing.

Tata Consultancy Services (TCS), India   Jan 17 - Apr 2020
System Engineer

Project: A service which is used by Small and Medium Enterprises to process payroll, Tax collection etc.

- Utilized Golang and MySQL to develop TCS's in-house iON products to help customers manage their payroll and HR.

- Developed ETL cycles for processing and storing data in MySQL have been developed and deployed successfully. It can later be used by customers for data analysis and reporting.

- Created the common rest api routing library, which reduced API development time.

- Created POCs in Protobuf and gRPC, which proved to be a building block for transforming Rest services into gRPC.

EDUCATION

L.D. College of Engineering, Ahmedabad, India   2012 - 2016
B.E, Instrumentation and Control Engineering (ICE)

Hobby Projects

optionChainWatch
Golang

Project: A utility which will keep monitoring the stock market option chain and generate excels on command with required data for further analysis.

telegramTest
Golang

Project: A sample project. Which uses the telegram apis and enable user to send messages and receive messages from the Golang Code.

telegramFunFactBot
Golang

Project: a simple telegram bot, which will send a random fun fact to user when user ask for it. In this, User send message to bot and bot reply with the fun fact. It utilize third party API.