Nikhil Patel

Golang Developer

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Technical Skills

- Golang (Go), Kubernetes (k8s.io packages), Amazon Web Services (Organizations, Accounts, Athena, Controltower, CUR, IAM, 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
Golang Developer

Feb 21 - Aug 22

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
Golang Developer

Apr 20 - Feb 21

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
System Engineer

Jan 17 - Apr 2020

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.