**Lohitha Solium**

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**PROFESSIONAL SUMMARY:**

* Around 8 years of experience in Software Development. Dedicated and skilled **Golang** Developer with an extensive **6+ year** track record of delivering high-quality solutions in the realm of **REST** services using **Golang**.
* 2+ years working experience with **Java 8** for developing the APIs and Web Services at the start of my career.
* Extensive experience and actively involved in **Requirement gathering, Analysis, Design, Reviews, Coding, Code Reviews, Unit,**and**Integration Testing**.
* Experience using **Microsoft Azure Subscription** services, applied access controls using **MS Graph** APIs and **App Registrations**.
* Developed the necessary code and configurations to integrate **Azure API Gateway** and **Node.js.**
* Deployed on **Google Cloud Platform (GCP)**, integrating various cloud services such as **Compute Engine**, **Storage Engines, Snowflake**, **GKS**, etc. to meet application infra requirements.
* Deploy Golang-based microservices on **Amazon Elastic Kubernetes Service** (Amazon EKS) for container orchestration and management, leveraging Kubernetes on **AWS.**
* Collaborated effectively with cross-functional teams, ensuring alignment with project goals and objectives.
* Experience in **Agile** methodology with two-week sprints and scrums.
* Expertise in designing and implementing **RESTful** APIs using **Open API Specifications**, **Go Swagger** in Golang, ensuring efficient communication between services using **GRPC** Clients.
* In-depth understanding of Golang concepts such as **Slices, Maps, Structs, Interfaces, Go routines,** and **Channels** for optimized code development.
* Proficient in developing modular and scalable applications using **Microservices** architecture and **Go kit** framework.
* Expertise in containerized deployments with **Docker** and continuous integration using **Jenkins**.
* Enhanced **CI/CD** pipelines with **Jenkins**, automating build, test, code quality checks and deployment processes.
* Knowledge of managing **Kubernetes** deployments, ensuring high availability and scalability.
* Contributed to the implementation of **design patterns** for structured and maintainable code.
* Skilled in leveraging **JIRA** for streamlined projects and issue tracking and facilitating collaborative project management.
* Expertly integrated **PostgreSQL** and **MongoDB** in ensuring optimal database functionality and performance for diverse application needs.
* Proficiently troubleshooted applications built with **GIN Engine**, **Echo, Gorilla RPC**.
* Developed in **Microsoft Azure** **Cloud** for Go applications workload migration and hybrid cloud deployment.
* Experience in development, deployment and troubleshooting Web based and enterprise-based applications on **UNIX** and **Linux platforms.**
* Utilized **Hibernate ORM** for seamless data persistence, simplifying database interactions and enhancing code maintainability.
* Developed and maintained microservices using **Java**, leveraging **Spring Boot** and **Spring MVC** frameworks for rapid development and modularity.
* Applied best practices for code quality, including code reviews, code refactoring, and adherence to coding standards such as **Java Coding Conventions** and Clean Code principles.
* Proficiency in using bug tracking tools for effective project management and collaboration.
* Ensured compliance with regulatory requirements and industry standards, particularly in sensitive areas such as security and data privacy.

# **EDUCATION:**

# Masters in management information systems - University of Memphis.

# Bachelors in Electronics and Communications - Dhanekula Institute of Engineering & Technology.

# **TECHNICAL SKILLS:**

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| **Languages:** | Java, Golang, SQL, Node.js. |
| **Mark-up/XML Technologies:** | **Protobuf, YAML, JSON.** |
| **Frameworks:** | Hibernate ORM, Spring Boot, Spring MVC, GRPC, Restful, GIN, Echo, Gorilla RPC. |
| **Application Building Tool:** | Go Vendor. |
| **Web services:** | SOAP, RESTful, Azure API gateway. |
| **Cloud Technologies:** | GCP, AWS, Azure. |
| **Web/App Servers:**  | Go HTTP web Server. |
| **Database:**  | **Postgre**SQL, MongoDB, DynamoDB. |
| **Methodologies:** | Agile. |
| **Testing Tools/ Others:** | Jenkins, Splunk, Datadog, Unit testing. |
| **Version Control:** | Git, GitHub, Bitbucket.  |
| **OS & Environment:** | UNIX, Linux. |

# **WORK EXPERIENCE:**

## **Client: Dropbox, Plano, TX Oct 2023- Till Date**

## **Role: Software Developer (Golang)**

 **Responsibilities:**

* Developed **GRPC** clientsand**REST APIs** using **Open API Specifications** andmicroservices in **Golang**.
* Developed comprehensive unit test cases to validate application functionality, maintained 80% code coverage.
* Integrated code for integrating **Azure API Gateway** and **Node.js**, implement provided functionalities, configure Azure services, and ensure adequate testing.
* Deployed the integrated application onto **Azure infrastructure**, configure **API Gateway**, and set up monitoring.
* Integrated Azure Storage Blobs using **Azure SDK Go** with microservices to perform CRUD operations of different blob content.
* Used **Go** **Routines**, **Wait Groups**, **Mutex** and **channels** in programming to improve overall performance of the application.
* Utilized Singleton and Factory design patterns to develop services, streamlining resource management and ensuring consistent, efficient creation processes.
* Implemented security measures for **GRPC** and **RESTful** web services and APIs using authentication and authorization through **SAML** and **JWT** tokens.
* Integrated unit test cases by using **testing** and **testify package** for validating the accuracy of code.
* Managed code repositories and tracked changes using Version Control Systems like **Bitbucket**, enabling efficient collaboration and code management within the team.
* Worked on **SQL queries** and triggers to interact with **Postgres DB**, optimizing database performance and ensuring seamless data manipulation in a relational environment.
* Developed/Generated **YAML** files from **go-swagger** that can be used to for Swagger pages API documentation.
* Containerized Golang microservices using **Docker**, enhancing portability and scalability across diverse deployment environments.
* Developed client-server applications using **TCP/IP** socket programming, ensuring robust communication protocols.
* Utilized **Azure Monitor** and **Azure Log** **Analytics** for comprehensive monitoring and troubleshooting of microservices, ensuring high availability and reliability of the application.
* Ensured consistent error tracking by maintaining logging standards using a customized **logger package**, enhancing visibility, and facilitating efficient troubleshooting.
* Monitored Golang microservices error logs efficiently using **Splunk** and **Datadog**, facilitating proactive issue resolution.

**Environment:** Golang, Microservices, GRPC, RESTful, Docker, Azure API gateway, Node.js, Kubernetes, Helm, AKS, SAML, JWT, Go-Modules, Git, VS Code, Jenkins, Datadog, Splunk, Continuous Integration, Jira.

## **Client: Centene, St Louise, MO Jan 2023- Sept 2023**

## **Role: Software Developer (Golang)**

 **Responsibilities:**

* Involved in implementation of procedures for gathering the requirements from clients for solution demonstrations.
* Developed **Restful** API services that work as a middleware between our application and third-party API using Golang.
* Deployed using **Google Kubernetes service** (**GKS**) in the form of pods. Stored configs and secrets in GKS artifacts, referred container images from **Google Container Registry** (GCP).
* Used **Google Cloud Functions** to deploy serverless code, as part of data pipelines deployments for ETLs processing.
* Using Go, developed a microservice for reading large volumes of data from **PostgreSQL** database.
* Experience in utilizing data APIs and multi-server applications to meet product needs using Golang.
* Knowledge of creating Golang **SOAP** APIs and **HTTP** Restful web services.
* Created Go-based, readily adaptable **REST** APIs and have worked on many go frameworks, including **GIN, Echo**, and **Gorilla RPC**.
* Integrated Jekins to **Git** where the build triggers automatically when we push a pull request for CI/CD.
* Worked on **CI/CD** tool **Jenkins** to automate the build process from version control tool into testing and production environment.
* Experienced in using Go technologies on **UNIX** and **Linux** Platforms.
* Hands on experience and good experience in Design patterns, Multithreading and Go containers, **Go channels** and **Goroutines**.
* Using **Docker** to containerize applications: created docker images and files for microservices to run on the **Kubernetes** platform.
* Integrated **MongoDB**, **Cassandra**, and **MySQL** for diverse data storage needs, troubleshooting database-related challenges for optimal performance.
* Conducted regular monitoring and troubleshooting sessions to identify and resolve potential bottlenecks, ensuring the applications reliability and scalability.
* Analyze business requirements and develop various business delegates to integrate with Middleware services.
* Worked on configuring with Business users and stake holder for gathering business requirements and converting the business requirements into User stories using **JIRA**.

**Environment:** Go, PostgreSQL, GCP, Git, HTTP, GIN, Echo framework, Gorilla RPC, CI/CD, Jenkins, Kubernetes, Docker, Unix, Linux, MongoDB, Cassandra, MySQL, JIRA.

**Client: Innovation Technologies, IND August 2015 – Dec 2021**

**Role:** **Jr. Software Engineer (Java/Golang)**

 **Responsibilities:**

* Developed and maintained **Java-based** microservices for various components of the project, ensuring modularity, scalability, and maintainability.
* Leveraged **Hibernate ORM** (Object-Relational Mapping) to simplify database interactions and improve code maintainability by eliminating the need for manual **SQL** queries.
* Utilized Java frameworks such as **Spring Boot** and **Spring MVC** to streamline the development of **RESTful** APIs, enhancing code readability and maintainability.
* Integrated **Amazon DynamoDB** for NoSQL data storage and **Amazon RDS** (Relational Database Service) for relational databases, integrating seamlessly with Golang applications for data persistence and retrieval.
* Authored scripts to facilitate data migration, resulting in enhanced performance within the production setting.
* Redesigned data pipelines to ensure the continued maintenance of the existing **microservice infrastructure**.
* Crafted on-demand configurable **REST APIs** utilizing Go and engaged with various Go frameworks.
* Guided fellow developers in adhering to best practices concerning **Docker**, Go, and infrastructure requirements.
* Demonstrated proficiency in applying software development design patterns, including singleton and factory methods.
* Used **Amazon Elastic Kubernetes Service** (Amazon EKS) to deploy Golang-based microservices in containers, leveraging Kubernetes for container orchestration and management on **AWS**.
* Handled microservices dependency management through tools like **Glide**, **dep**, and **Go Modules**.
* Created a comprehensive customer self-service module with **Spring MVC**, marked by annotation usage, and **hibernate**.
* Conducted application deployments on **Tomcat servers** and adeptly addressed production server issues.
* Designed, developed, and sustained **SQL** server elements, including stored procedures, user-defined functions, indexes, views, tables, and relationships.
* Worked with the backend team to craft **GraphQL** types and resolvers, streamlining data delivery to the frontend and optimizing database interactions.
* Consistently updated and managed unit and integration tests for GraphQL and library levels to ensure accurate functionality.
* Participated in unit and integration testing during development to confirm application compliance with the specifications.

**Environment:** Java, Go, Hibernate ORM, Spring MVC, Spring Boot, Go-swagger, Jenkins, MongoDB, Cassandra, MySQL, Terraform, Rest API, Docker, Tomcat, AWS, Spring MVC, Hibernate, GraphQL.