**Nikhil Sulthani**

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**Professional Summary:**

* Around 8 years’ experience in Web Application Development and Designing. involved in analysis, coding, de-bugging, testing, & documentation using Golang, PL/SQL, Python.
* Experience in GoLang concepts like Slices, Maps, Structs, Interfaces, Go routines and Channels and extensive working with Microservices, Gokit, ORM GORM, cli, Gorilla Mux, go - hystrix, godoc.
* Experience developing various web applications using ClojureScript for front end and J2EE, Servlets, Elixir, Erlang, Clojure, for backend applications.
* Strong command in leading Frameworks Team such as Angular.js, backbone.js, bootstrap.js, D3Js, React.Js and Node.Js.
* Analysis of current ]PM systems and gathering requirements for integration with GreatWest.
* Backend development in Golang for Limit Monitoring system.
* Developed Golang code to Feedback system.
* Good experience in Python, developing cloud functions, creating scalable and robust applications along with python based MVC frame‑ works. Hands on experience in Object Oriented Development, code optimizations, code refactoring, and web development.
* PostgreSQL (backend) and CoffeeScript and BackboneS (frontend).
* Implemented Web Services (WSDLs) using JAX-WS and also implemented REST services by Golang with microservices architecture.
* Created PDF reports in Golang using XML and database to send all userbase (around million end users) monthly and on demand reports.
* Good experience on Different Software development methodologies like Waterfall, Agile and Excellent contributor on Implementing and practicing Agile Based Process management.
* Working experience in Smoke Testing, backed end Testing, Black-Box Testing, User Acceptance Testing (UAT), and Functional Testing.
* ﻿﻿Experience of the design patterns and best practices with golang (and more to start with design and get to deployable production systems including scale monitoring and instrumentation platform.
* Built enterprise wide DNS historical data trending analysis tools in Go (Golang), Languages with REST API for user quieries as Microservice.
* ﻿﻿Created internal diagnostic tools using Golang and Angular]S in order to assist with customer issues.
* ﻿﻿Golang and Java were used as a backend REST service while Angular]S was used for the user interface.
* Hands on experience in Web Application development using HTML, CSS, JavaScript, Query, AJAX and JSON.
* Developed responsive web product features using React ]S, SASS, on GoLang with REST.
* Implement new requirements and fix existing bugs on the system, built in ERLANG, CouchDB, CouchDB modules and
* Implemented Web Services (WSDLs) using JAX-WS and also implemented REST services by Golang with microservices
* Experienced in using Go technologies. Golang and were used with backend REST service in micro-services architecture.
* Experience in developing UML diagrams like use cases, class diagrams, activity diagrams and sequence diagrams.
* Experience in design, development, testing, maintenance, and documentation of Enterprise applications Golang, Python, PL/SQL.
* Experience in testing Code (unit testing and integration testing) in Golang.
* Strong knowledge of OOP (Object Oriented Programming).
* Experience with GO Routines.
* Experience in using IDEs like Visual Studio, Golang, Data Grip, VS Code, IntelliJ, PyCharm, etc.
* Experience in database design and development using Packages, Stored Procedures, Functions, Triggers, Views, prepared statements and writing native queries in Oracle, SQL Server, MySQL.

**TECHNICAL SKILLS:**

* Amazon Web Services: EC2, ELB, VPC, RDS, IAM, Cloud Formation, S3, Cloud Watch, Cloud Trail, SNS, SQS, SWF, EBS, EMR,Dynamo DB, Redshift, Elastic Beanstalk, Route53, Aurora O SCM Tools: Subversion, Bitbucket, GIT, Clear Case.
* Build Tools: Ant, Maven, Gradle.
* Cloud Platforms: AWS, Azure, GCP, PCF.
* Continuous Integration Tools: Jenkins, Hudson, Bamboo, Team City, Octopus
* Configuration Management Tools: Chef, Ansible, Puppet and Salt Stack O Tracking Tools: Jira, Remedy, Clear Quest, Bugzilla, Zabbix, Rally, Fisheye O Containers: Docker, Kubernetes, Docker Swarm, Mesos.
* Virtualization: Oracle Virtual Box, VMware, Vagrant.
* Scripting Languages: Shell scripting, Python, Ruby, Perl, Bash O Programming Languages: C, C++, Java, JSON, Go
* Databases: Oracle, MS SQL Server, MySQL, NoSQL, PostgreSQL, MongoDB O Web/Application Servers: WebLogic, WebSphere, JBoss, Apache Tomcat, TFS, IIS, Nginx, Kafka O Operating System: Linux (Red hat, Cantos, Ubuntu, SUSE), UNIX (Hs - UX, Solaris, Confidential AIX) and Windows.
* Methodologies: Agile, Scrum, Kanban, ITIL, and Waterfall.
* Monitoring Tools: Splunk, Nagios, ELK
* Authorization Protocols: OpenID Connect (WT), SAML, Auth, OpenID
* Networking & Communication Protocols: DNS, Router, Load Balancer, Subnetting, VPN, Network ACLs, TCP/IP,
* HTTP/HTTPS, SSH, FTP, SCP, RSYNC, RMI/IIOP.

**Ford, MI March 2022 - till date**

**Sr. Golang Developer**

**Responsibilities:**

* Backend proficiency using Node, Express, Google Go (Golang), MongoDb including 3rd-party services Firebase, Kinvey and Parse.
* Used Go Programming Language (GoLang) and Scala in the development of the application.
* Developed backup and recovery engine for VM backup/recovery using VMware Sphere APIs, GoLang programming language and RabbitMQ Message bus (communication interface).
* Experience using Restful to push configure to devices with Java and Erlang.
* Created PDF reports using Golang and XML documents to send it to all customers at the end of month with internation language support.
* Developed front end using Bootstrap.js, Angular. js, Node.js, D3.j, Backbone.js, where back end is JAX-RS (Jersey) REST webservice.
* Experience in using IDEs like Golang
* Developed Microservices to utilize Go language, REST web services in the client's environment.
* Testing (ensure that the programs meet the requirements of the specification and that they are free of errors/bugs), and maintenance of software.
* Develop and maintain a REST API in Golang
* Understand the problem that the software is supposed to solve, design a solution, and develop and test it before releasing it to customers.
* Developed automation via Groovy, Python and Bash scripts to enable deployment, shutdown, testing, maintenance and cost savings.
* Developed Golang software to handle concurrent data collection and processing with goroutines and channels for a WiFi device.
* Achieved concurrent transactions via Goroutines multi-threads.
* Implemented lava and 12EE Design Pattern such as Command, State, Template, Composite, Strategy and Observer.
* Worked with Go Web Toolkit, Microservices Toolkit, Go-kit Web Service and CockroachDB Cloud PostgresSQL Server on the server stack.
* Micro-service architecture and use of programs like Postman for testing.
* Teaching developers Golang and clean patterns
* Involved in Unit Testing and Integration testing in a development environment and ensuring application is according to specifications.
* Created automated test scripts for web applications with godog cucumber testing module.
* Used Eclipse, Visual studio IDE for coding and developing applications.
* Instantiated Agile/Scrum methods to create a development rigor, and Project management.
* Actively involved in production support and content issues.
* Providing clarifications and detailed information to the development team by conducting various review meetings with product and business owners.
* Analysis by obtaining a full understanding of the software’s requirements; prepare detailed
* documentation for software programs.
* Assist project managers in planning.

**Environment:** GO, GoLang, Goroutine, Microservices, Channels, Gokit, ORM GORM, cli, Gorilla Mux, go-hystrix, godoc, JavaScript, HTML5, CSS3, Angular, React, Redux, bootstrap, Es, Typescript, JSON web token, SSO/SAML, Elasticsearch, ginkgo, Python, Bash, ErLang, gRPC, Java, MySQL, SQL, PL/SQL, MongoDB, Rest, GoLand, Google App Engine, Github, Rigor, Selenium, Jest, mockito, Agile, Scrum, AWS EC2, S3, RDS, Google Cloud Platform, MAVEN, JSON, JIRA, Linux, Nginx, slack, Zoom, Docker, Jenkins, Kubernetes, GOD

Confidential, Raleigh, NC

**Comcast, PA Dec 2019 to Feb 2022**

**Sr. Golang Developer**

**Responsibilities:**

* Developed custom consumers and producers for Apache Kafka in Go (golang) for cars monitoring system.
* Enhanced, fixed functional and performance related bugs in core product written in GO (Golang).
* Experience writing data APIs and multi-server applications to meet product needs in erlang.
* ﻿﻿Created RPC-based service for reading large volume of data from PostgreSQL using GO(Golang).
* ﻿﻿Developed a Process Pool Management system in OT for controlling Erlang process load on systems using concurrent threads.
* Worked on variety of Frontend JavaScript frameworks like Angular]S, Backbone]S, React]S, Node.js, JQuery, JQuery Ul and good knowledge in EmberS.
* Programmed an IRC bot in Go-lang that is concurrent using goroutines
* Designed and created a Goroutine to automatically upgrade appliance software.
* Initiated CI/CD Pipelines using Gitlab and Jenkins.
* Worked on Prometheus and Grafana to identify Kafka message failure scenarios.
* Developed a back-end tool for logging in node.js to be viewed in Kibana.
* Implemented the use of AWS NoSQL DB DynamoDB to dump data in JSON format.
* Worked on S3 Events, SNS, SQS, DynamoDB, Athena for triggering multiple Lambda functions(written in Golang)
* Accelerated the birth of new generation by 30% by using multi-threaded Goroutines during the crossover process.
* Analysis by obtaining a full understanding of the software’s requirements; prepare detailed documentation for software programs.
* Assist project managers in planning.
* Work with different teams (USA and Mexico) within and outside of the organization, give Project Manager updates of activities and accomplishments.
* Experience in pairing with developers to stay actively involved. Main technology stacks include C# and Erlang.
* Micro-service architecture and use of programs like Postman for testing.
* Management and experience with GitLab, as well as knowledge of SCM (code lines, branching, merging, integration, versioning, etc.).
* Used GoLang to create backend servers.
* Responsible for providing leadership in a trade-study exploring alternate software ecosystems including Erlang/OTP, Python plus messaging frameworks, and other scalable alternatives.
* Providing scalable solutions via erlang, golang, As, protocol buffers and supervision trees.
* Developed REST Microservices which are like API's used for Home Automation. They also keep the data in synchronization between two database services.
* Working experience with Docker, Jenkins, pipeline, Kubernetes. Most of the back end developed in Go.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) using terraform.
* Testing (ensure that the programs meet the requirements of the specification and that they are free of errors/bugs) and maintenance of software
* Create software customized for specific clients in the USA, take on all the roles required to develop software programs.
* Understand the problem that the software is supposed to solve, design a solution, and develop and test it before releasing it to customers.

**Environment:** Go, GCP, Docker, Jenkins, Kubernetes, Postman, Git, GoLang, Linux, Python, Shell Scripting, JSON, Web Services, GIT, ELK, Kibana, Terraform, Prometheus/Grafana, JavaScript, Gitlab CI/CD, AWS and Jira.

**ARAMCO, Houston, TX August 2017 - Nov 2019**

**Golang Developer**

**Responsibilities:**

* Prepared Unit test case using JUnit and used Maven for continuous integration testing.
* Designed and developed user interfaces using JSP, HTML, JSON, JQuery and CSS.
* Used Struts Model-View-Controller approach to help design new features and fix Jira bugs and request.
* Deployed the applications in Linux servers using deployment scripts.
* Developed and Deployed applications on Application Servers like Nginx.
* Developed the backend using Java Spring, MySQL, RabbitMQ, HAProxy and NginX.
* Worked with sites hosted on Heroku & AWS, using a variety of technologies such as Varnish, Apache, Nginx.
* Utilized GitHub for repository code management, and Zoom and Slack for team peering purposes for co-work assignments.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Designed and implemented Container orchestration systems with Docker Swarm and Kubernetes
* Worked on ffmpeg command line tool in transcoding, downsampling.
* Experienced in FFmpeg multimedia framework for demuxing tracks from media containers and decoding media data.
* Worked on writing spec files in creating rpms using RPMbuild tool for RedHat and creating customized debian packages for ubuntu.
* Worked on harvesting the images and cloning the Fedora servers for the releases using Clonezilla.
* Analyzed code to identify and improve performance bottlenecks and contingencies with shared resources. Streamlining the code was instrumental in reducing support costs.
* Performed Automating testing using Fitnesse page requiring python, JavaScript for parsing.
* Worked on Migration of Source code from SVN to Bitbucket(Git).
* Installation and configuration of Red Hat Enterprise Linux (RHEL 8), Centos 7, Fedora 28 Linux.
* Responsible for providing infrastructure to launch and deploy latest release candidates.
* Executed the test steps defined in Test Cases manually and reported the bugs in JIRA.
* Developed debuged Go GoLang plugins for GoD pipelines.
* Familiar with video and audio compression, ffmpeg, multimedia container formats (MPEG-2 transport stream)
* Modifying existing build systems and building RPM packages for the new release Candidates using CMake.
* Used STL extensively to store data derived from Nielsen Portable People Meter for analysis and measurement ratings.

# Environment: GoLang, Linux, Python, Shell Scripting, JSON, Web Services, GIT, ELK, Kibana, Terraform, Prometheus/Grafana, JavaScript, Gitlab CI/CD, AWS and Jira.

**SCI Solutions, India May 2015 - Apr 2017**

**Software Developer**

**Responsibilities:**

* Worked on transcoding the A/V formats and downsampling the Audio levels using ffmpeg and Audacity
* Worked on MPEG2 YUV420P and YUV422P codec support with open source tools like ffmpeg, vlc and Mplayer.
* Performed manual testing using Quality Center requires several GUI’s for query and status.
* Created stored procedures and Written UNIX shell scripts for testing the application and writing the SQL queries for Sybase database.
* Validate clients hardware requirements.
* Use of different APIs for developing specific applications for clients, implementation of web services for migrating information from ERP to another and for making a self-billing portal.
* Make changes to the programs with minimal or no interruption of service.
* Developed ffmpeg encoding and decoding tools using the existing test applications as per the requirement
* Process analysis, process reengineering, customer service, dealing with difficult customers, on-site and remote support, installation and configuration of servers, project management with several dates and priorities.
* HTML and JavaScript programming, ERP implementation, travel during the implementation phase of projects.

**Environment:** PL/SQL, HTML, SQL, JavaScript, Oracle Databases.