**Susmitha**

**Golang Developer**

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**PROFESSIONAL SUMMARY:**

* Around 7 years of IT experience with 4+ on Golang.
* Experience of 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.
* Extensive experience in Multi-Tier Application Development and Knowledge with Design Patterns.
* Experience in Golang concepts like Slices, Maps, Structs, Interfaces, Go routines and Channels and extensive working knowledge with Micro services, Gokit, ORM GORM, cli, Gorilla Mux.
* Extensively worked on the data structures and implemented data structures and algorithms in Go Lang.
* Golang and .NET were used as a backend REST service while AngularJS was used for the user interface.
* Hands on experience in Web Application development using HTML, CSS, JavaScript, jQuery, AJAX and JSON.
* Developed responsive web product features using React JS, SASS, on Golang with REST.
* Implement new requirements and fix existing bugs on the system, built in ERLANG, CouchDB, CouchDB modules and PostgreSQL (backend) and Coffee Script and BackboneJS (frontend).
* Implemented Web Services (WSDLs) using JAX-WS and implemented REST services by Golang with micro services architecture.
* Designed fronted web-based form using **Angular 7/6/4/5/4/2** with **Ajax** controls **CSS** and **HTML5**.
* Built enterprise wide DNS historical data trending analysis tools in Go (Golang), Languages with REST API for user queries as Micro service.
* Extensive experience in designing and developing front-end/user-interface (UI) of web applications using **HTML 4/5/6**, CSS3, DOM, JavaScript, JQuery, **Angular 4/5/6,** Bootstrap, AJAX, JSON and XML.
* Expertise in **Angular 4/5/6** framework and its ability to create simple and scalable code for SPA.
* Golang and .Net were used as a backend REST service while Angular JS was used for the user interface.
* Hands on experience in Web Application development using HTML, CSS, JavaScript, jQuery, AJAX and JSON.
* Created a **Restful** Web API service using **Go Lang** Web API to generate data for the CMS which was then consumed in the front-end by **Angular 6**.
* Backend development in Golang for Limit Monitoring system.
* Developed Golang code to Feedback system.
* Specified, prototyped, developed and tested an object-oriented, multiplatform C++ framework containing support to: data structures, common algorithms sockets, threading.
* Fixed bugs in the order management system.
* Developed highly efficient algorithms in C++ through both pair-programming and independent work. The algorithms improved inventory management benchmarks 18 percent.
* Created PDF reports in Golang using XML and database to send all userbase (around 3million end users) monthly and on demand reports.
* Implemented Web Services (WSDLs) using JAX-WS and implemented REST services by Golang with microservices architecture.
* Work on projects optimizing Visual C++ codes for financial software using Microsoft Visual Studio 2017.
* Created RPC-based service for reading large volume of data from PostgreSQL using GO(Golang)
* Involved in successful migration of C based architecture to GO (Golang).
* Worked on two major function's feedbacks to clients and Limit monitoring for all participants.
* Improved test automation efficiency and execution through development of a distributed resource management system written in Erlang.
* Increased visibility and user experience of distributed resource manager using YAWS, Erlang and AJAX to create an asynchronous web portal for the distributed resource manager.
* Building a Command line tool to interact with RESTful API using in Golang.
* Hands on UML compliant high-level design with data flow diagram, Class Diagrams, Sequence Diagrams, Activity Diagram and Use Cases and documenting for peer developer.
* Excellent Leadership, Technical, Communication, Analytical and Problem-Solving skills and ability to get on well with people including cross-cultural backgrounds.

# Relevant Experience

### Capital One (Plano, TX) Feb 2019 – Till Date

### Golang Developer

* Experienced in using Go technologies on UNIX and Linux platforms.
* Good understanding of Design Patterns, Multithreading and GO containers. Well versed in using Channels and go routines.
* Used data structures such as arrays, stacks, trees, lists and graphs in an efficient way.
* Involved in improving the performance of the system by using the most suitable data structure and algorithm.
* Developed new Restful API services that work as a middleware between our application and third-partyAPIs that we will used using Golang.
* Using GO, developed a micro service for reading large volume of data(millions) from PostgreSQL database.
* Experience writing data APIs and multi-server applications to meet product needs using Golang.
* Experience in writing the HTTP Restful Web services and SOAP API's in Golang.
* Document and implement service contract details using Swagger.io and YAML
* Used **Redis** for storing data in a key value pair model. Implemented and data processing using **GraphDB.**
* Integrate .net solutions on C# projects, including debugging in C++
* Used Apache Kafka for platform handling and data feeds
* Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
* Integrate .net solutions on C# projects, including debugging in C++.
* Created deployable cycles and environments for dev team and QA team in Microsoft Azure
* Create and Maintain nodes and clusters using Dockers and Kubernetes
* Design APIs for setting socket management, networking, and properties. Work on GRPC for HTTP Gateway management.
* Projects involving **B2B, B2C** websites using **Angular5** framework involving - Angular **Directives**, **Components, Filters, Factory, Service, Angular Forms**, and Angular Expressions.
* Experienced in using Go technologies on UNIX and Linux platforms.
* Extensively used **Entity Framework** and **ADO.NET** to implement the data layer to communicate with different databases.
* Developed dynamic web pages using HTML5, CSS3, JavaScript, AngularJS, NodeJS, Bootstrap, LESS and bootstrap.
* Experienced in using Go technologies on UNIX and Linux platforms.
* Good understanding of Design Patterns, Multithreading and GO containers. Well versed in using Channels and go routines
* Worked on improving the search strategy of elements with the help of sorting techniques in Golang.
* Involved in Unit testing and Integration testing in the development environment and ensuring application is according to the specifications.

**Environment:** Golang, Data Structures using Go, c++, Angular, Kubernetes, Docker, Cassandra, MongoDB, Redis Cache, REST API’s, Python, Micro services.

### Cardinal Health Columbus, OH Nov 2017 – Jan 2019

### Golang Developer/.NET Developer

* Involved in implementation of procedures for gathering the requirements from clients for solution demonstrations.
* Developed new Restful API services that work as a middleware between our application and third-partyAPIs that we will used using Golang.
* Using GO, developed micro services for reading large volume of data(millions) from PostgreSQL database.
* Use Cascading Style Sheets (CSS) to attain uniformity of all web pages.
* Working with .NET Core, ASP.NET 4.0, 3.5, MVC 3, 4, Window Forms, Visual Studio .Net, C#, .NET Framework technologies.
* Experience writing data APIs and multi-server applications to meet product needs using Golang.
* Worked as full stack development using GO Lang.
* Developed the new backend services in GO to meet the goals and maintain the existing services.
* Used Apache Kafka for flow monitoring and log monitoring.
* Designed and developed User Interface using JSON, JavaScript, HTML/HTML5, CSS3, AJAX and JQuery, Telerik/Kendo UI, Bootstrap and **Angular 4/5/6.**
* Worked with the frontend teams to integrate the GO API’s with frontend.
* Developed backup and recovery of the data across multiple datacenters with the help of Go Language and Apache Kafka as a communication interface.
* Worked on decoding and encoding of the binary files that we get from other micro services using GO inbuilt encode/binary package.
* Worked on creating multiple services interacting with each other using Restful endpoints with JSON as data exchange format.
* Worked in RDBMS implementation using the SQL, PLSQL and MYSQL in the Oracle Database.
* Extensively worked on concurrency features of the Go using Go routines, channels and wait groups.
* Worked on fixing the functional performance issues using the GO as a part of the Test-Driven Development (TDD).
* Developed and deployed one of the Golang based web service in the AWS.
* Worked with the CI/CD team to prepare Jenkins file, roster file and stack to deploy code in servers.
* Used the NGINX controller API management to secure API’s at every API call to the micro service and authorizing the third-party client application API’s.
* Responsible for maintaining and expanding our AWS infrastructure using the AWS EC2, manage documents in S3 and also providing the IAM access to the S3 buckets.
* Developed SVN and unit test cases using inbuilt testing package inGO.

**Environment:** GO, GoLang, Micro services, JavaScript, HTML5, CSS3, Angular, Bootstrap, JSON web token, SSO/SAML, Python, Angular, ErLang, Java, Spring, Hibernate, MySQL, PL/SQL, Rest, Soap, Eclipse, Git, SVN, Junit, Selenium, Agile, AWS EC2, S3, Maven, JSON, XML, Jira, Linux.

### Sanofi, Seattle WA Nov 2015-OCT 2017

### Golang Developer

* Involved in successful migration of .NET based micro service architecture to Go Lang and worked with distributed system teams during the migration phase.
* Responsible for creating a server-side code using the open API specification with Go-Swagger.
* Developed Go API’s with the revel framework with the Ginkgo development as the forefront driving the Test-Driven Development process.
* Worked on integration of PostgreSQL database.
* Integrated our micro services with the PostgreSQL to store the credentials and customer information.
* Developed custom consumers and producers for Apache Kafka in GO Lang for car monitoring system.
* Implemented the query functionality while mapping the front-end code to backend by using the HQL GORM Queries.
* Involved in implementing the DAO layer using GORM API.
* Performed Golang unit testing and benchmarking for the micro services.
* Designed complex application database SQL statements for querying, updating, and reporting using GO Database Connector.
* Developed Micro services to extract the data from system of records into Enterprise Data warehousing.
* Developed a micro service to extract AML data from Enterprise Data warehousing and push to external systems in JSON format.
* Developed a micro service that extracts data from PostgreSQL and generates a flat file and sends to AWS S3 using GO.
* Created MongoDB collections and wrote services to retrieve user data from for the application on devices.
* Extensively used Go's approach to concurrency using go-routines, channels, and Wait Groups.
* Used GitHub version control for Golang source code.
* Responsible for the CI/CD process implementation using Jenkins and Linux shell scripts to automate the routine jobs.
* Contributed to internal tools for assisting development and for maintaining services.
* Followed AGILE development methodology to develop the application and prepared the project documents under confluence.

**Environment:** GO, GoLang, Goroutine, microservices, Angular, Channels, Gokit, ORM GORM, cli, Gorilla Mux, go-hystrix , godoc, JavaScript , HTML5, CSS3, Angular.

**Client: Microsoft Sep’2013- June’2015**

.Net DeveloperHyderabad, India

**Responsibilities:**

* Participated in daily Scrums with the whole team to discuss about the progress of the application development, specks to be taken care and specks that already completed.
* Developed a single page, mobile-first, cross-device/cross-browser web application for real-time location sharing utilizing ASP.NET MVC 5 with Angular JS, JavaScript API and Web API.
* Responsible for the overall layout design that meet cross-device compatibility using Bootstrap, color scheme of the web site using HTML5, and CSS3 and Responsible for creating detailed wire frames and process flows.
* Involved in writing application level code to interact with Restful Web APIs, Web Services using AJAX, JSON, XML and jQuery.
* Created optimized graphic websites and application interfaces using HTML and CSS.
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for web application, page navigation and form validation.
* Developed client-side validation code using JavaScript and jQuery Validation Plug-in.
* Developed the services using Web API to access catalog and basket related functionalities.
* Written SQL queries, Triggers and done the analytical test with PBI reports.
* Used TFS and GIT for as the Version Control tool for the source code.

**Environment:**VS2013, C#, Web API Web Service, ASP.Net, SQL Server 2014 R2, Microsoft Dynamics CRM, VS Unit test, Bootstrap, AngularJS, JQuery, PowerShell.

**EDUCATION**

**University of Mary-Hardin Baylor December 2015**

**Austin, Tx**

**April 2013**

**Jawaharlal Nehru technological university Hyderabad, India**