**SAI VARDHANI**

**Sr. Golang Developer**

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* Having 9+ years of experience in software development includes Analysis, Design, and Development of Web - based applications using Golang, Python.
* 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.
* Experience in Golang concepts like Slices, Maps, Structs, Interfaces, Go routines and Channels and extensive working knowledge with Microservices, Gokit, ORM GORM, cli, Gorilla Mux, go - hystrix, godoc.
* Built enterprise-wide DNS historical data trending analysis tools in Go (Golang), Languages with RESTAPI for user queries as Microservice.
* Created internal diagnostic tools using Golang and AngularJS in order to assist with customer issues.
* 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 CouchDB, CouchDB modules and PostgreSQL (backend) and Coffee Script and BackboneJS (frontend).
* Developed robust RESTful APIs in Golang using the Gin framework to modularize code and improve maintainability.
* Strong command in leading Frameworks Team such as Angular.js, backbone.js, bootstrap.js, D3.Js,React.Js and NodeJS.
* Integrated Swagger for automated documentation, ensuring clear and up-to-date API documentation.
* Backend development in Golang for Limit Monitoring system.
* Developed Golang code to Feedback system.
* Created PDF reports in Golang using XML and database to send all userbase (around 3million end users) monthly and on demand reports.
* Utilized Golang's strengths in performance and concurrency to enhance the efficiency of the Microservice architecture.

TECHNICAL SKILLS:

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| Languages |  Golang, Python, JAVA |
| Operating systems |  Windows 8/XP/Vista, Unix. |
| Database and tools |  Oracle, MS SQL Server, DB2. |
| Testing Frameworks |  Unit Test, Testify, Junit, Pyunit |
| Methodologies |  Rational Unified Process (RUP), Agile (SCRUM), UML. |
| Frameworks / Architectures |  Gin, Django, Beego |
| Web Tools/Technologies |  HTML, CSS, SASS, XML, AJAX, Bootstrap, jQuery and JSON, AngularJS, Node.js, React.js |
| Web/Application Servers/Container | Router, NGINX, Docker, ECS, HTTP Server |
| Protocols |  HTTP/HTTPS, TCP/IP, SOAP, SMTP, REST |
| Methodologies |  Agile, SCRUM, TDD, Design Patterns |

**WORK EXPERIENCE:**

**Client: Walmart May 2021 – Till Date**

**Littlerock, AR**

**Role: Sr. Golang Developer**

**Responsibilities:**

* Involved in requirements gathering, system design, analysis, implementation and setting up the development environment.
* Developed microservices to load the data from DynamoDB to Kafka topics for reporting using Golang and Used Git to control the build version.
* Involved in implementing the Micro Services based on Restful API using Golang.
* Wrote data APIs and multi-server applications to meet product needs using Golang.
* Using Golang, Implemented RESTful Web Services for the data transportation between multiple systems.
* Developed automation scripts in YAML using Swagger to deploy and manage Go based applications across Linux servers.
* Developed the UI using HTML5, CSS3, Bootstrap and customized Data Tables and High charts into Angular JS Directives.
* Developed web services using Restful technology to support JSON and XML.
* Developed various test cases using open source Golang framework like ginkgo and testify to ensure proper testing is performed across all corners of application post deployment.
* Assisted in Migrating the application to Cloud environment using the Amazon web services- EC2, S3 and various services of AWS.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, config Maps, deployments.
* Worked on creation of Docker containers and Docker consoles for managing the application life cycle.
* Worked with JIRA for bug tracking, creating the dashboard for issues.

**Environment:** Golang, Python ,Docker, Swagger, Kubernetes, Jenkins, CI/CD, AJAX, XML, CSS, HTML, Angular, Oracle, jQuery, REST, JSON.

**Client : Charter Communications, Feb 2020 – April 2021**

**Location: Stamford, CT**

**Role: Go Lang Developer**

**Responsibilities:**

* Involved in implementation of procedures for gathering the requirements from clients for solution demonstrations.
* Worked as a part of Agile Software Development **Charter Communications** Methodology including Scrum technology.
* Developed robust RESTful APIs in Golang using the Gin framework to modularize code and improve maintainability.
* Worked with HTTP/HTTPS protocols by using Angular 5 components to build microservices in Node JS.
* Implemented custom middleware in Golang to handle HTTP requests, generate responses, and send appropriate HTTP status codes to clients
* Developed Test classes using Junit and testify and test coverage using EMMA plug-in.
* Utilized Golang's database/sql package along with a MySQL driver to establish connectivity with a MySQL database, leveraging Golang's native capabilities for object-relational mapping (ORM).
* Used Continuous delivery / Continuous Integration (CD/CI) tools Docker, Jenkins to deploy this application to AWS.
* Used GIT for Version Control of code for incremental development and day-to-day basis to maintain the code history.
* Used Postman to test the API workflow tested on the JSON files which are generated by the NodeJS.
* Developed cloud-based microservices and implemented the backend using Golang, leveraging the language's native features and frameworks for building scalable and efficient microservices.
* Implemented robust RESTful web services in Golang, utilizing its native capabilities to modularize code. Automated documentation for the web services in the application was provided using Swagger 2.0.
* Ensured high code quality through testing and participated in code reviews for the Golang codebase.

**Environment:** Golang, Python, Docker, Swagger, Kubernetes, Jenkins, CI/CD, AJAX, XML, CSS, HTML, Angular, Oracle, jQuery, REST, JSON.

**Client: Macy’s Inc Feb 2017- Dec 2019**

**Location: New York, NY**

**Role: Python Developer**

**Responsibilities:**

* Worked as part of an Agile/Scrum based development team and exposed to TDD approach in developing applications.
* Implemented SQL Alchemy as ORM mapping tool for complete access and Wrote SQL queries and maintained PostgreSQL RDBMS in the local development environment.
* Provisioning Web Servers in AWS using different services EC2, VPC, ELB, Auto Scaling, Route53 using Cloud formation templates & AMI’s using Infrastructure as a Service (IAAS).
* Strong experience with Core Python and NumPy, Django, Pandas.
* Designed and implemented by configuring Topics in the new Kafka cluster in all environment.
* PyTest was used for the purpose of testing many programs on Python and other codes.
* Performed different testing methods like unit testing, Integration testing, web application testing and selenium testing.
* Developed consumer-based features and applications using Python and Django in test driven Development.
* Implemented RESTful Web-Services for sending and receiving data between multiple systems. Integrated Redis-Cache with the Django-rest-framework for reading the data faster.
* Wrote Python modules to extract/load asset data from the MySQL source database.
* Extensively in XML and JSON format worked on Jenkins by installing, configuring and maintaining for Continuous integration (CI) and for End-to-End automation for all build and deployments.
* Implemented Bash, Perl, Python scripting to automate many day-to-day tasks.
* Used JSON schema to define table and column mapping from S3 data to Redshift.
* Launched Kubernetes to provide a platform for automating deployment, scaling and operations of application containers across clusters of hosts.
* Created application using Angular JS, Python Rest APIandHTML5/CSS3.
* With the use of Python OS module on UNIX environment, job cloning and forking.
* Designed and worked with data finding and retrieval systems, such as Elasticsearch.
* Designed and developed ETL integration patterns using PySpark, AWS glue.
* Implemented REST APIs in Python using Django ORM (object-relational mapper) in the backend for management of data center resources.

**Environment:** Python 3.4/3.5, Django 1.6, HTML5, CSS, XML, MySQL, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Mongo DB, MS SQL Server, T-SQL, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting. Selenium, Water fall model, UML, Xml.

**Client: SAMSUNG Telecom, Bangalore, INDIA Jun 2014 – Oct 2016**

**Role: Python Developer**

**Responsibilities:**

* Used Python, Django and Pyramid frameworks to develop applications and responsible for both back-end programming and front-end functionality using Ajax, Angular.JS, and other technologies.
* Built a new CI pipeline and performed testing and deployment automation with Docker, Jenkins, and Puppet.
* Redesigned and redeployed the Nagios implementation. Nodes automatically added/removed themselves via Puppet.
* Used AJAX for transmitting JSON data objects between frontend and controllers and wrote Python scripts to parse XML and JSON documents and load the data in the database.
* Implemented RESTful Web-Services for sending and receiving data between multiple systems.
* Implemented business logic using Python and used HTML, CSS, react and Implemented a Continuous Integration & Delivery (CI/CD) pipeline with Docker, Jenkins and GitHub.
* Developed application service components and configured beans using Spring IoC, creation of Hibernate mapping files and generation of database schema.
* Implemented and enhanced CRUD operations for the applications using the MVT (Model View Template) architecture of Django framework and Python conducting code reviews.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using HTML, CSS.
* Used Node JS, Angular JS and MVC Frameworks in the development of web applications.
* Extensive experience in developing Microservices using Spring Boot and following domain driven design.
* Involved in running Hadoop streaming jobs to process terabytes of XML format data.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Extensively worked on developing UI components using Angular JS and JSON to interact with Restful webservices.

**Environment**: Python 3.3/3.2, Django, Jenkins, Apache, XML, MySQL, MongoDB, REST, CSS, SASS, AJAX, HTML, Shell scripting, Sublime, XHTML, SVC.